

9. EXPOSURE ASSESSMENT

Overview of exposure scenarios

The following table summarizes all exposure scenarios that are assessed in this CSR. The summary lists use volumes, life cycle stage and use descriptors only. For details on use conditions and exposure calculation results please refer to the corresponding subchapters 9.x and 10.x.

Exposure scenarios 9.1 to 9.126 have been calculated using EasyTRA 2.0. EasyTRA uses algorithms on the basis of the latest versions of the ECHA REACH Guidance chapters R12, R14, R15, and R16 (as of March 2010) and EUSES®. EasyTRA works in compliance with ECETOC® Targeted Risk Assessment 2010 (as of April 2010) for the calculation of worker and consumer exposure and complies with EU TGD 2003 Risk Assessment Spreadsheet Model 1.24a for the environmental exposure (see ECHA REACH Guidance chapter R16.6.2).

The format of this CSR follows the current ECHA template for CSRs. A comprehensive EasyTRA report documenting all details on used algorithms, defaults and specific use or environmental conditions is attached to this CSR for all scenarios that have been generated using EasyTRA.

Overview on exposure scenarios and coverage of substance life cycle

ES number	Volume (tonnes)	Manufacture	Identified uses			Resulting life cycle stage		Link to Identified Use	Sector of use (SU)	Product Category (PC)	Process Category (PROC)	Article Category (AC)	Environmental Release Category (ERC)
			Formulation	End use	Consumer use	Service life (for articles)	Waste stage						
9.1	100				x			AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	SU 3, SU 22, SU 21	PC 3			ERC11 B
9.2	100				x			AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use	SU 3, SU 22, SU 21	PC 3			ERC11 B
9.3	100			x				Automotive Care (spray, liquid)	SU 3, SU 22, SU 21				ERC11 B
9.4	100				x			CARPET CLEANERS (spray, liquid) for consumer use	SU 3, SU 22, SU 21	PC 35			ERC11 B
9.5	100				x			DESCALERS	SU 3, SU 22, SU 21	PC 35			ERC11 B

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			Formulation	End use	Consumer use	Service life (for articles)	Waste stage						
9.6	100				x			DRAIN PRODUCTS (powder, gel)	SU 3, SU 22, SU 21	PC 35			ERC11 B
9.7	100				x			FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use	SU 3, SU 22, SU 21	PC 35			ERC11 B
9.8	100				x			FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use	SU 3, SU 22, SU 21	PC 31			ERC11 B
9.9	100				x			HAND DISHWASHING (liquid regular, liquid concentrate) for consumer use	SU 3, SU 22, SU 21	PC 35			ERC11 B
9.10	100				x			High Pressure washers/cleaners	SU 3, SU 22, SU 21	PC 35			ERC11 B
9.11	100				x			INSECTICIDES	SU 3, SU 22, SU 21			AC 5	ERC11 B

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			Formulation	End use	Consumer use	Service life (for articles)	Waste stage						
9.12	100			x				Industrial Use of Façade/surface Cleaning Products Façade/surface cleaner; High pressure process	SU 3, SU 22, SU 21	PC 35	PROC 7, PROC 8A		ERC4
9.13	100			x				Industrial Use of Façade/surface Cleaning Products Façade/surface cleaner; Medium pressure process	SU 3, SU 22, SU 21	PC 35	PROC 11, PROC 8A		ERC4
9.14	100			x				Industrial Use of Vehicle cleaning Products Boat cleaner; Manual process	SU 3, SU 22, SU 21	PC 35	PROC 10, PROC 8A		ERC4
9.15	100			x				Industrial Use of Vehicle cleaning Products Boat cleaner; Spray and wipe manual process	SU 3, SU 22, SU 21	PC 35	PROC 11, PROC 8A		ERC4
9.16	100			x				Industrial Use of Vehicle cleaning Products Car wash product; Semi-Automatic process	SU 3, SU 22, SU 21	PC 35	PROC 4, PROC 8A		ERC4

ES number	Volume (tonnes)	Manufacture	Identified uses			Resulting life cycle stage		Link to Identified Use	Sector of use (SU)	Product Category (PC)	Process Category (PROC)	Article Category (AC)	Environmental Release Category (ERC)
			Formulation	End use	Consumer use	Service life (for articles)	Waste stage						
9.17	100			x				Industrial Use of Vehicle cleaning Products Car wash product; Spray and rinse process	SU 3, SU 22, SU 21	PC 35	PROC 8A, PROC 11		ERC4
9.18	100			x				Industrial Use of Vehicle cleaning Products Car wash product; Spray and wipe manual process	SU 3, SU 22, SU 21	PC 35	PROC 8A, PROC 11		ERC4
9.19	100			x				Industrial Use of Vehicle cleaning Products Dewaxing product; Semi-Automatic process	SU 3, SU 22, SU 21	PC 35	PROC 8A, PROC 4		ERC4
9.20	100			x				Industrial use of Food beverage and pharmacos products Animal housing care; Semi-Automatic process	SU 3, SU 22, SU 21	PC 35	PROC 8A, PROC 10		ERC4
9.21	100			x				Industrial use of Food beverage and pharmacos products Chain maintenance product; Automatic drip and brush process	SU 3, SU 22, SU 21	PC 35	PROC 13, PROC 8A		ERC4

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			Formulation	End use	Consumer use	Service life (for articles)	Waste stage						
9.22	100			x				Industrial use of Food beverage and pharmacos products Chain maintenance product; Automatic spray process	SU 3, SU 22, SU 21	PC 35	PROC 7, PROC 8A		ERC4
9.23	100			x				Industrial use of Food beverage and pharmacos products Defoaming product; Automatic process	SU 3, SU 22, SU 21	PC 35	PROC 8B, PROC 1		ERC4
9.24	100			x				Industrial use of Food beverage and pharmacos products Disinfection product; Fogging and gassing Semi-automatic process	SU 3, SU 22, SU 21	PC 35	PROC 8A, PROC 11		ERC4
9.25	100			x				Industrial use of Food beverage and pharmacos products Disinfection product; Semi-automatic process	SU 3, SU 22, SU 21	PC 35	PROC 10, PROC 8A		ERC4
9.26	100			x				Industrial use of Food beverage and pharmacos products Foam cleaner; Semi-Automatic with venting process	SU 3, SU 22, SU 21	PC 35	PROC 8A, PROC 11		ERC4

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			Formulation	End use	Consumer use	Service life (for articles)	Waste stage						
9.27	100			x				Industrial use of Food beverage and pharmacos products Foam cleaner; Semi-Automatic without venting process	SU 3, SU 22, SU 21	PC 35	PROC 8A, PROC 11		ERC4
9.28	100			x				Industrial use of Food beverage and pharmacos products Food process cleaner; Cleaning In place (CIP) process	SU 3, SU 22, SU 21	PC 35	PROC 8B, PROC 1		ERC4
9.29	100			x				Industrial use of Food beverage and pharmacos products Food process cleaner; Semi closed cleaning process	SU 3, SU 22, SU 21	PC 35	PROC 4, PROC 8B		ERC4
9.30	100			x				Industrial use of Laundry products Conditioner (softner/starch); Automatic process	SU 3, SU 22, SU 21	PC 35	PROC 2, PROC 8B		ERC4
9.31	100			x				Industrial use of Laundry products Laundry aid (gasing); Automatic process	SU 3, SU 22, SU 21	PC 35	PROC 2, PROC 8B		ERC8A

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			Formulation	End use	Consumer use	Service life (for articles)	Waste stage						
9.32	100			x				Industrial use of Laundry products Laundry aid (non-gasing); Automatic process	SU 3, SU 22, SU 21	PC 35	PROC 8B, PROC 2		ERC8A
9.33	100			x				Industrial use of Laundry products Laundry detergent; Automatic process (TST2, TST1)	SU 3, SU 22, SU 21	PC 35	PROC 2, PROC 8B		ERC4
9.34	100			x				Industrial use of Metal Treatment Products Hot metal working fluid; Automatic process	SU 3, SU 22, SU 21	PC 35	PROC 8B		ERC4
9.35	100			x				Industrial use of Metal Treatment Products Metal working fluid (rolling oils, lubricants); Automatic process	SU 3, SU 22, SU 21	PC 35	PROC 17, PROC 8B		ERC4
9.36	100			x				Industrial use of Metal Treatment Products Surface finishing product; Manual with no process water recycling process	SU 3, SU 22, SU 21	PC 35	PROC 8A, PROC 4		ERC4
9.37	100			x				Industrial use of Metal Treatment Products Surface finishing product; Manual with water recycling process	SU 3, SU 22, SU 21	PC 35	PROC 4, PROC 8A		ERC4

ES number	Volume (tonnes)	Manufacture	Identified uses			Resulting life cycle stage		Link to Identified Use	Sector of use (SU)	Product Category (PC)	Process Category (PROC)	Article Category (AC)	Environmental Release Category (ERC)
			Formulation	End use	Consumer use	Service life (for articles)	Waste stage						
9.38	100			x				Industrial use of Metal Treatment Products* Coating product (Paint, Filler, Putty, Thinner); Automatic process	SU 3, SU 22, SU 21	PC 35	PROC 2, PROC 8B		ERC4
9.39	100			x				Industrial use of Metal Treatment Products* Coating product (Paint, Filler, Putty, Thinner); Manual process	SU 3, SU 22, SU 21	PC 35	PROC 10, PROC 8A		ERC4
9.40	100			x				Industrial use of Metal Treatment Products* Coating product (Paint, Filler, Putty, Thinner); Semi-Automatic process	SU 3, SU 22, SU 21	PC 35	PROC 4, PROC 8A		ERC4
9.41	100			x				Industrial use of Metal Treatment Products* Conversion Layer agent; Automatic process	SU 3, SU 22, SU 21	PC 35	PROC 2, PROC 8B, PROC 10, PROC 8A		ERC5

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			Formulation	End use	Consumer use	Service life (for articles)	Waste stage						
9.42	100			x			Industrial use of Metal Treatment Products* Metal cleaner (degreaser, descaler, etc); Automatic process	SU 3, SU 22, SU 21	PC 35	PROC 8B, PROC 2		ERC4	
9.43	100			x			Industrial use of Metal Treatment Products* Metal cleaner (degreaser, descaler, etc); Manual process	SU 3, SU 22, SU 21	PC 35	PROC 8A, PROC 10		ERC4	
9.44	100			x			Industrial use of Metal Treatment Products* Metal cleaner (degreaser, descaler, etc); Semi-Automatic process	SU 3, SU 22, SU 21	PC 35	PROC 4, PROC 8B		ERC4	
9.45	100			x			Industrial use of Quality control Laboratory Reagents	SU 3, SU 22, SU 21	PC 35	PROC 15		ERC4	
9.46	100			x			Industrial use of Vehicle cleaning Products Aeroplane cleaner; Semi-Automatic process	SU 3, SU 22, SU 21	PC 35	PROC 8A, PROC 4		ERC4	
9.47	100			x			Industrial use of Vehicle cleaning Products Train cleaner; Semi-Automatic process	SU 3, SU 22, SU 21	PC 35	PROC 8A, PROC 4		ERC4	

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			Formulation	End use	Consumer use	Service life (for articles)	Waste stage						
9.48	100			x			Industrial use of Water treatment Products Preservation and sanitation agent ; Drink and pool water	SU 3, SU 22, SU 21	PC 35	PROC 8B, PROC 4		ERC4	
9.49	100			x			Industrial use of Water treatment Products Preservation and sanitation agent ; Process water	SU 3, SU 22, SU 21	PC 35	PROC 4, PROC 8B		ERC4	
9.50	100			x			Industrial use of Water treatment Products Sanitation agent; Wasre water	SU 3, SU 22, SU 21	PC 35	PROC 4, PROC 8A		ERC4	
9.51	100				x		LAUNDRY ADDITIVES (powder bleach, liquid bleach, tablet) for consumer use	SU 3, SU 22, SU 21	PC 35			ERC11 B	
9.52	100				x		LAUNDRY AIDS (ironing aids-starch spray, ironing aids-other) for consumer use	SU 3, SU 22, SU 21	PC 35			ERC11 B	
9.53	100				x		LAUNDRY COMPACT (powder, liquid/gel, tablet) for consumer use	SU 3, SU 22, SU 21	PC 35			ERC11 B	

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			Formulation	End use	Consumer use	Service life (for articles)	Waste stage						
9.54	100				x			LAUNDRY REGULAR (powder, liquid) for consumer use	SU 3, SU 22, SU 21	PC 12			ERC11 B
9.55	100			x				Laboratory Use Laboratory Reagents	SU 3, SU 22, SU 21	PC 35	PROC 15		ERC8A
9.56	100				x			MACHINE DISHWASHING (powder, liquid, tablet) for consumer use	SU 3, SU 22, SU 21	PC 35			ERC11 B
9.57	100				x			OVEN CLEANERS (spray, trigger) for consumer use	SU 3, SU 22, SU 21	PC 35			ERC11 B
9.58	100			x				Professional Use of Dishwash products Dishwash product; Automatic process	SU 3, SU 22, SU 21	PC 35	PROC 8B, PROC 2		ERC8A
9.59	100			x				Professional Use of Dishwash products Dishwash product; Manual process	SU 3, SU 22, SU 21	PC 35	PROC 10, PROC 8A		ERC8A

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			Formulation	End use	Consumer use	Service life (for articles)	Waste stage						
9.60	100			x				Professional Use of Dishwash products Dishwash product; Semi-Automatic process	SU 3, SU 22, SU 21	PC 35	PROC 8A, PROC 1		ERC8A
9.61	100			x				Professional Use of Dishwash products Rinse aid; Automatic process	SU 3, SU 22, SU 21	PC 35	PROC 2, PROC 8B		ERC8A
9.62	100			x				Professional Use of Façade/surface Cleaning Products Façade/surface cleaner; High pressure process	SU 3, SU 22, SU 21	PC 35	PROC 7, PROC 8A		ERC8A
9.63	100			x				Professional Use of Façade/surface Cleaning Products Façade/surface cleaner; Medium pressure process	SU 3, SU 22, SU 21	PC 35	PROC 11, PROC 8A		ERC8A
9.64	100			x				Professional Use of Floor care products Carpet cleaner; Manual process	SU 3, SU 22, SU 21	PC 35	PROC 8A, PROC 10		ERC8A

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			Formulation	End use	Consumer use	Service life (for articles)	Waste stage						
9.65	100			x				Professional Use of Floor care products Carpet cleaner; Semi-Automatic process	SU 3, SU 22, SU 21	PC 35	PROC 10, PROC 8A		ERC8A
9.66	100			x				Professional Use of Floor care products Carpet cleaner; Spray and brush manual process	SU 3, SU 22, SU 21				ERC8A
9.67	100			x				Professional Use of Floor care products Floor cleaner; Manual process	SU 3, SU 22, SU 21	PC 35	PROC 10, PROC 8A		ERC8A
9.68	100			x				Professional Use of Floor care products Floor cleaner; Semi-Automatic process	SU 3, SU 22, SU 21	PC 35	PROC 10, PROC 8A		ERC8A
9.69	100			x				Professional Use of Floor care products Floor cleaner; Spray and wipe manual process	SU 3, SU 22, SU 21	PC 35	PROC 8A, PROC 11		ERC8A

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			Formulation	End use	Consumer use	Service life (for articles)	Waste stage						
9.70	100			x				Professional Use of Floor care products Floor stripper; Manual process	SU 3, SU 22, SU 21	PC 35	PROC 8A, PROC 10		ERC8A
9.71	100			x				Professional Use of Floor care products Floor stripper; Semi-Automatic process	SU 3, SU 22, SU 21	PC 35	PROC 10, PROC 8A		ERC8A
9.72	100			x				Professional Use of Floor care products Polish / impregnating agent; Manual process	SU 3, SU 22, SU 21	PC 35	PROC 10		ERC8A
9.73	100			x				Professional Use of Floor care products Polish / impregnating agent; Semi-Automatic process	SU 3, SU 22, SU 21	PC 31	PROC 10		ERC8A
9.74	100			x				Professional Use of Floor care products Polish / impregnating agent; Spray and wipe manual process	SU 3, SU 22, SU 21				ERC8A
9.75	100			x				Professional Use of Food beverage and pharmacos products Animal housing care; Manual process	SU 3, SU 22, SU 21	PC 35	PROC 8A, PROC 10		ERC8A

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			Formulation	End use	Consumer use	Service life (for articles)	Waste stage						
9.76	100			x				Professional Use of General surface cleaning products Descaling agent; Dipping process	SU 3, SU 22, SU 21	PC 35	PROC 13		ERC8A
9.77	100			x				Professional Use of General surface cleaning products Descaling agent; Manual process	SU 3, SU 22, SU 21	PC 35	PROC 11, PROC 8A		ERC8A
9.78	100			x				Professional Use of General surface cleaning products Descaling agent; Spray and rinse manual process	SU 3, SU 22, SU 21	PC 35	PROC 8A, PROC 11		ERC8A
9.79	100			x				Professional Use of General surface cleaning products General purpose cleaner; Manual process	SU 3, SU 22, SU 21	PC 35	PROC 8A, PROC 10		ERC8A
9.80	100			x				Professional Use of General surface cleaning products General purpose cleaner; Spray and wipe manual process	SU 3, SU 22, SU 21	PC 35	PROC 8A		ERC8A

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			Formulation	End use	Consumer use	Service life (for articles)	Waste stage						
9.81	100			x				Professional Use of General surface cleaning products Glass cleaner; Manual process	SU 3, SU 22, SU 21	PC 35	PROC 8A, PROC 10		ERC8A
9.82	100			x				Professional Use of General surface cleaning products Glass cleaner; Spray and wipe manual process	SU 3, SU 22, SU 21	PC 35	PROC 8A		ERC8A
9.83	100			x				Professional Use of General surface cleaning products Kitchen cleaner; Manual process	SU 3, SU 22, SU 21	PC 35	PROC 10, PROC 8A		ERC8A
9.84	100			x				Professional Use of General surface cleaning products Kitchen cleaner; Spray and wipe manual process	SU 3, SU 22, SU 21	PC 35	PROC 8A		ERC8A
9.85	100			x				Professional Use of General surface cleaning products Metal cleaning agent; Manual process	SU 3, SU 22, SU 21	PC 35	PROC 8A, PROC 10		ERC8A

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			Formulation	End use	Consumer use	Service life (for articles)	Waste stage						
9.86	100			x				Professional Use of General surface cleaning products Oven/Grill Cleaner; Manual process	SU 3, SU 22, SU 21	PC 35	PROC 10		ERC8A
9.87	100			x				Professional Use of General surface cleaning products Oven/Grill Cleaner; Spray and wipe manual process	SU 3, SU 22, SU 21	PC 35	PROC 11		ERC8A
9.88	100			x				Professional Use of General surface cleaning products Sanitary cleaner; Manual process	SU 3, SU 22, SU 21	PC 35	PROC 8A, PROC 10		ERC8A
9.89	100			x				Professional Use of General surface cleaning products Sanitary cleaner; Spray and wipe manual process	SU 3, SU 22, SU 21	PC 35	PROC 8A		ERC8A
9.90	100			x				Professional Use of General surface cleaning products Surface disinfectant; Manual process	SU 3, SU 22, SU 21	PC 35	PROC 10, PROC 8A		ERC8A

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			Formulation	End use	Consumer use	Service life (for articles)	Waste stage						
9.91	100			x			Professional Use of General surface cleaning products Surface disinfectant; Spray and rinse manual process	SU 3, SU 22, SU 21	PC 35	PROC 8A		ERC8A	
9.92	100			x			Professional Use of General surface cleaning products Wet wipe; Manual process	SU 3, SU 22, SU 21	PC 35	PROC 10		ERC8A	
9.93	100			x			Professional Use of Hand Cleaners Professional Hand Cleaner	SU 3, SU 22, SU 21				ERC8A	
9.94	100			x			Professional Use of Laundry products Conditioner (softener/starch); Manual process	SU 3, SU 22, SU 21	PC 35	PROC 8A, PROC 1		ERC8A	
9.95	100			x			Professional Use of Laundry products Conditioner (softener/starch); Semi automatic process	SU 3, SU 22, SU 21	PC 35	PROC 8A, PROC 1		ERC8A	
9.96	100			x			Professional Use of Laundry products Laundry aid (gasing); Manual process	SU 3, SU 22, SU 21	PC 35	PROC 8A, PROC 1		ERC8A	

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			Formulation	End use	Consumer use	Service life (for articles)	Waste stage						
9.97	100			x				Professional Use of Laundry products Laundry aid (gasing); Semi automatic process	SU 3, SU 22, SU 21	PC 35	PROC 8A, PROC 1		ERC8A
9.98	100			x				Professional Use of Laundry products Laundry aid (non-gasing); Manual process	SU 3, SU 22, SU 21	PC 35	PROC 8A, PROC 1		ERC8A
9.99	100			x				Professional Use of Laundry products Laundry aid (non-gasing); Semi automatic process	SU 3, SU 22, SU 21	PC 35	PROC 8A, PROC 1		ERC8A
9.100	100			x				Professional Use of Laundry products Laundry detergent; Manual process (TST4)	SU 3, SU 22, SU 21	PC 35	PROC 8A, PROC 1		ERC8A
9.101	100			x				Professional Use of Laundry products Laundry detergent; Semi automatic process (TST3)	SU 3, SU 22, SU 21	PC 35	PROC 8A, PROC 1		ERC8A
9.102	100			x				Professional Use of Laundry products Prespotter/Stain remover; Manual process	SU 3, SU 22, SU 21				ERC8A
9.103	100			x				Professional Use of Maintenance Products Drain cleaner; Manual process	SU 3, SU 22, SU 21	PC 35	PROC 8A		ERC8A

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			Formulation	End use	Consumer use	Service life (for articles)	Waste stage						
9.104	100			x				Professional Use of Maintenance Products Drain unblocker; Manual process	SU 3, SU 22, SU 21	PC 35	PROC 8A		ERC8A
9.105	100			x				Professional Use of Maintenance Products Furniture care product; Manual process	SU 3, SU 22, SU 21	PC 35	PROC 10		ERC8A
9.106	100			x				Professional Use of Maintenance Products Furniture care product; Spray and wipe manual process	SU 3, SU 22, SU 21				ERC8A
9.107	100			x				Professional Use of Maintenance Products Leather care product; Automatic process	SU 3, SU 22, SU 21	PC 35	PROC 2, PROC 8A		ERC8A
9.108	100			x				Professional Use of Maintenance Products Leather care product; Manual process	SU 3, SU 22, SU 21	PC 35	PROC 10		ERC8A
9.109	100			x				Professional Use of Maintenance Products Leather care product; Spray and wipe manual process	SU 3, SU 22, SU 21				ERC8A

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			Formulation	End use	Consumer use	Service life (for articles)	Waste stage						
9.110	100			x				Professional Use of Maintenance Products Stainless steel care; Manual process	SU 3, SU 22, SU 21	PC 35	PROC 10		ERC8A
9.111	100			x				Professional Use of Maintenance Products Stainless steel care; Spray and wipe manual process	SU 3, SU 22, SU 21				ERC8A
9.112	100			x				Professional Use of Medical Devices Medical devices ; Dipping process	SU 3, SU 22, SU 21	PC 35	PROC 13, PROC 8A		ERC8A
9.113	100			x				Professional Use of Medical Devices Medical devices ; Manual process	SU 3, SU 22, SU 21	PC 35	PROC 10, PROC 8A		ERC8A
9.114	100			x				Professional Use of Medical Devices Medical devices ; Semi-automatic process	SU 3, SU 22, SU 21	PC 35	PROC 4, PROC 8A		ERC8A
9.115	100			x				Professional Use of Medical Devices Medical devices ; Spray process	SU 3, SU 22, SU 21	PC 35	PROC 8A		ERC8A

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			Formulation	End use	Consumer use	Service life (for articles)	Waste stage						
9.116	100			x				Professional Use of Vehicle cleaning Products Boat cleaner; Manual process	SU 3, SU 22, SU 21	PC 35	PROC 8A, PROC 10		ERC8A
9.117	100			x				Professional Use of Vehicle cleaning Products Boat cleaner; Spray and wipe manual process	SU 3, SU 22, SU 21	PC 35	PROC 8A, PROC 11		ERC8A
9.118	100			x				Professional Use of Vehicle cleaning Products Car wash product; Semi-Automatic process	SU 3, SU 22, SU 21	PC 35	PROC 8A, PROC 4		ERC8A
9.119	100			x				Professional Use of Vehicle cleaning Products Car wash product; Spray and rinse process	SU 3, SU 22, SU 21	PC 35	PROC 8A, PROC 11		ERC8A
9.120	100			x				Professional Use of Vehicle cleaning Products Car wash product; Spray and wipe manual process	SU 3, SU 22, SU 21	PC 35	PROC 8A, PROC 11		ERC8A

ES number	Volume (tonnes)	Manufacture	Identified uses			Resulting life cycle stage		Link to Identified Use	Sector of use (SU)	Product Category (PC)	Process Category (PROC)	Article Category (AC)	Environmental Release Category (ERC)
			Formulation	End use	Consumer use	Service life (for articles)	Waste stage						
9.121	100			x				Professional Use of Vehicle cleaning Products Dewaxing product; Semi-Automatic process	SU 3, SU 22, SU 21	PC 35	PROC 8A, PROC 4		ERC8A
9.122	100			x				SURFACE CLEANERS (liquid, powder, gel neat, spray neat) for consumer use	SU 3, SU 22, SU 21				ERC11 B
9.123	100				x			TOILET CLEANERS (powder, liquid, gel, tablet) for consumer use	SU 3, SU 22, SU 21	PC 35			ERC11 B
9.124	100			x				Use of Air Care Products See consumer uses table	SU 3, SU 22, SU 21				ERC8A
9.125	100				x			WATER SOFTENERS (powder, liquids, tabs) for consumer use	SU 3, SU 22, SU 21	PC 35			ERC11 B
9.126	100				x			WIPES (bathroom, kitchen, floor) for consumer use	SU 3, SU 22, SU 21	PC 35			ERC11 B

9.1 Scenario 1: AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use

This scenario is described by the following combinations of use descriptors. The corresponding contributing scenarios are described in the respective subchapters.

ERC	PROC	PC
ERC11B		PC 3

9.1.1 Exposure Scenario

An overall exposure scenario may be described by a number of contributing scenarios which may be subdivided into environmental exposure, worker exposure and consumer exposure.

The following scenarios contribute to the scenario *AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use*.

The corresponding release to the environment, exposure of workers and consumers resulting from these contributing scenarios is summarized in chapter 10.1 ff.

9.1.1.1 Contributing Scenario (1) controlling environmental exposure for ERC11B

AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use

Amounts used	100 to per year
Release times per year	365
Environmental factors not influenced by risk management	River flow rate: 18000 m ³ /day
Other given operational conditions affecting environmental exposure	release to: air: 0%, water: 100%, soil: 0%; fraction used at main source: 0,01%; fraction tonnage to region: 10%
Technical onsite conditions and measures to reduce or limit discharges, air emissions and releases to soil	spERC: Consumer use, wide dispersive detergents
Conditions and measures related to municipal sewage treatment plant	Municipal sewage treatment plant discharge: 2000000 L/day

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 3, Annex I.3 and Annex II.2.

9.1.1.2 Contributing Scenario (2) controlling consumer exposure for PC 3

AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use

Product characteristics	spray application
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Product subcategory	Aircare, Instant action (aerosol sprays)
Amount used per application	1.4 g; product ingredient fraction by weight: inhalation: 50%
Frequency of use	365 times/year; exposure time: 0.250 h
Human factors not influenced by risk management	
Other given operational conditions affecting consumers exposure	Room volume: 20 m ³ ; spray application
Conditions and measures related to personal protection and hygiene	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.2, Annex I.2.2 and Annex II.1.2.

9.2 Scenario 2: AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substate (gel), candles, diffusers (heated) for consumer use

This scenario is described by the following combinations of use descriptors. The corresponding contributing scenarios are described in the respective subchapters.

ERC	PROC	PC
ERC11B		PC 3

9.2.1 Exposure Scenario

An overall exposure scenario may be described by a number of contributing scenarios which may be subdivided into environmental exposure, worker exposure and consumer exposure.

The following scenarios contribute to the scenario *AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substate (gel), candles, diffusers (heated) for consumer use*.

The corresponding release to the environment, exposure of workers and consumers resulting from these contributing scenarios is summarized in chapter 10.2 ff.

9.2.1.1 Contributing Scenario (1) controlling environmental exposure for ERC11B

AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substate (gel), candles, diffusers (heated) for consumer use

Amounts used	100 to per year
Release times per year	365

Environmental factors not influenced by risk management	River flow rate: 18000 m ³ /day
Other given operational conditions affecting environmental exposure	release to: air: 0%, water: 100%, soil: 0%; fraction used at main source: 0,01%; fraction tonnage to region: 10%
Technical onsite conditions and measures to reduce or limit discharges, air emissions and releases to soil	spERC: Consumer use, wide dispersive detergents
Conditions and measures related to municipal sewage treatment plant	Municipal sewage treatment plant discharge: 2000000 L/day

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 3, Annex I.3 and Annex II.2.

9.2.1.2 Contributing Scenario (2) controlling consumer exposure for PC 3
AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substate (gel), candles, diffusers (heated) for consumer use

Product characteristics	
Product subcategory	Aircare, Continuous action (solid & liquid)
Amount used per application	0.000029 g; product ingredient fraction by weight: dermal: 10%, inhalation: 10%
Frequency of use	365 times/year; exposure time: 8 h
Human factors not influenced by risk management	skin surface area dermal: fingertips
Other given operational conditions affecting consumers exposure	Room volume: 20 m ³
Conditions and measures related to personal protection and hygiene	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.2, Annex I.2.2 and Annex II.1.2.

9.3 Scenario 3: Automotive Care (spray, liquid)

This scenario is described by the following combinations of use descriptors. The corresponding contributing scenarios are described in the respective subchapters.

ERC	PROC	PC
ERC11B		

9.3.1 Exposure Scenario

An overall exposure scenario may be described by a number of contributing scenarios which may be subdivided into environmental exposure, worker exposure and consumer exposure.

The following scenarios contribute to the scenario *Automotive Care (spray, liquid)*.

The corresponding release to the environment, exposure of workers and consumers resulting from these contributing scenarios is summarized in chapter 10.3 ff.

9.3.1.1 Contributing Scenario (1) controlling environmental exposure for ERC11B

Automotive Care (spray, liquid)

Amounts used	100 to per year
Release times per year	365
Environmental factors not influenced by risk management	River flow rate: 18000 m ³ /day
Other given operational conditions affecting environmental exposure	release to: air: 0%, water: 100%, soil: 0%; fraction used at main source: 0,01%; fraction tonnage to region: 10%
Technical onsite conditions and measures to reduce or limit discharges, air emissions and releases to soil	spERC: Consumer use, wide dispersive detergents
Conditions and measures related to municipal sewage treatment plant	Municipal sewage treatment plant discharge: 2000000 L/day

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 3, Annex I.3 and Annex II.2.

9.4 Scenario 4: CARPET CLEANERS (spray, liquid) for consumer use

This scenario is described by the following combinations of use descriptors. The corresponding contributing scenarios are described in the respective subchapters.

ERC	PROC	PC
ERC11B		PC 35

9.4.1 Exposure Scenario

An overall exposure scenario may be described by a number of contributing scenarios which may be subdivided into environmental exposure, worker exposure and consumer exposure.

The following scenarios contribute to the scenario *CARPET CLEANERS (spray, liquid) for consumer use*.

The corresponding release to the environment, exposure of workers and consumers resulting from these contributing scenarios is summarized in chapter 10.4 ff.

9.4.1.1 Contributing Scenario (1) controlling environmental exposure for ERC11B

CARPET CLEANERS (spray, liquid) for consumer use

Amounts used	100 to per year
Release times per year	365
Environmental factors not influenced by risk management	River flow rate: 18000 m ³ /day
Other given operational conditions affecting environmental exposure	release to: air: 0%, water: 100%, soil: 0%; fraction used at main source: 0,01%; fraction tonnage to region: 10%
Technical onsite conditions and measures to reduce or limit discharges, air emissions and releases to soil	spERC: Consumer use, wide dispersive detergents
Conditions and measures related to municipal sewage treatment plant	Municipal sewage treatment plant discharge: 2000000 L/day

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 3, Annex I.3 and Annex II.2.

9.4.1.2 Contributing Scenario (2) controlling consumer exposure for PC 35

CARPET CLEANERS (spray, liquid) for consumer use

Product characteristics	spray application
Product subcategory	Laundry and dish washing products
Amount used per application	10 g; product ingredient fraction by weight: dermal: 60%, inhalation: 60%
Frequency of use	10 times/year; exposure time: 1 h
Human factors not influenced by risk management	skin surface area dermal: fingertips
Other given operational conditions affecting consumers exposure	Room volume: 20 m ³ ; spray application
Conditions and measures related to personal protection and hygiene	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.2, Annex I.2.2 and Annex II.1.2.

9.5 Scenario 5: DESCALERS

This scenario is described by the following combinations of use descriptors. The corresponding contributing scenarios are described in the respective subchapters.

ERC	PROC	PC
ERC11B		PC 35

9.5.1 Exposure Scenario

An overall exposure scenario may be described by a number of contributing scenarios which may be subdivided into environmental exposure, worker exposure and consumer exposure.

The following scenarios contribute to the scenario *DESCALERS*.

The corresponding release to the environment, exposure of workers and consumers resulting from these contributing scenarios is summarized in chapter 10.5 ff.

9.5.1.1 Contributing Scenario (1) controlling environmental exposure for ERC11B

DESCALERS

Amounts used	100 to per year
Release times per year	365
Environmental factors not influenced by risk management	River flow rate: 18000 m ³ /day
Other given operational conditions affecting environmental exposure	release to: air: 0%, water: 100%, soil: 0%; fraction used at main source: 0,01%; fraction tonnage to region: 10%
Technical onsite conditions and measures to reduce or limit discharges, air emissions and releases to soil	spERC: Consumer use, wide dispersive detergents
Conditions and measures related to municipal sewage treatment plant	Municipal sewage treatment plant discharge: 2000000 L/day

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 3, Annex I.3 and Annex II.2.

9.5.1.2 Contributing Scenario (2) controlling consumer exposure for PC 35

DESCALERS

Product characteristics	
Product subcategory	Laundry and dish washing products
Amount used per application	30 g; product ingredient fraction by weight: dermal: 60%, inhalation: 60%
Frequency of use	100 times/year; exposure time: 1 h

Human factors not influenced by risk management	skin surface area dermal: fingertips
Other given operational conditions affecting consumers exposure	Room volume: 20 m ³
Conditions and measures related to personal protection and hygiene	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.2, Annex I.2.2 and Annex II.1.2.

9.6 Scenario 6: DRAIN PRODUCTS (powder, gel)

This scenario is described by the following combinations of use descriptors. The corresponding contributing scenarios are described in the respective subchapters.

ERC	PROC	PC
ERC11B		PC 35

9.6.1 Exposure Scenario

An overall exposure scenario may be described by a number of contributing scenarios which may be subdivided into environmental exposure, worker exposure and consumer exposure.

The following scenarios contribute to the scenario *DRAIN PRODUCTS (powder, gel)*.

The corresponding release to the environment, exposure of workers and consumers resulting from these contributing scenarios is summarized in chapter 10.6 ff.

9.6.1.1 Contributing Scenario (1) controlling environmental exposure for ERC11B

DRAIN PRODUCTS (powder, gel)

Amounts used	100 to per year
Release times per year	365
Environmental factors not influenced by risk management	River flow rate: 18000 m ³ /day
Other given operational conditions affecting environmental exposure	release to: air: 0%, water: 100%, soil: 0%; fraction used at main source: 0,01%; fraction tonnage to region: 10%
Technical onsite conditions and measures to reduce or limit discharges, air emissions and releases to soil	spERC: Consumer use, wide dispersive detergents
Conditions and measures related to municipal sewage treatment plant	Municipal sewage treatment plant discharge: 2000000 L/day

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 3, Annex I.3 and Annex II.2.

9.6.1.2 Contributing Scenario (2) controlling consumer exposure for PC 35 *DRAIN PRODUCTS (powder, gel)*

Product characteristics	
Product subcategory	Laundry and dish washing products
Amount used per application	70 g; product ingredient fraction by weight: dermal: 60%, inhalation: 60%
Frequency of use	2 times/year; exposure time: 1 h
Human factors not influenced by risk management	skin surface area dermal: fingertips
Other given operational conditions affecting consumers exposure	Room volume: 20 m ³
Conditions and measures related to personal protection and hygiene	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.2, Annex I.2.2 and Annex II.1.2.

9.7 Scenario 7: FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use

This scenario is described by the following combinations of use descriptors. The corresponding contributing scenarios are described in the respective subchapters.

ERC	PROC	PC
ERC11B		PC 35

9.7.1 Exposure Scenario

An overall exposure scenario may be described by a number of contributing scenarios which may be subdivided into environmental exposure, worker exposure and consumer exposure.

The following scenarios contribute to the scenario *FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use*.

The corresponding release to the environment, exposure of workers and consumers resulting from these contributing scenarios is summarized in chapter 10.7 ff.

9.7.1.1 Contributing Scenario (1) controlling environmental exposure for ERC11B

FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use

Amounts used	100 to per year
Release times per year	365
Environmental factors not influenced by risk management	River flow rate: 18000 m ³ /day
Other given operational conditions affecting environmental exposure	release to: air: 0%, water: 100%, soil: 0%; fraction used at main source: 0,01%; fraction tonnage to region: 10%
Technical onsite conditions and measures to reduce or limit discharges, air emissions and releases to soil	spERC: Consumer use, wide dispersive detergents
Conditions and measures related to municipal sewage treatment plant	Municipal sewage treatment plant discharge: 2000000 L/day

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 3, Annex I.3 and Annex II.2.

9.7.1.2 Contributing Scenario (2) controlling consumer exposure for PC 35 *FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use*

Product characteristics	
Product subcategory	Laundry and dish washing products
Amount used per application	135 g; product ingredient fraction by weight: dermal: 60%, inhalation: 60%
Frequency of use	200 times/year; exposure time: 1 h
Human factors not influenced by risk management	skin surface area dermal: fingertips
Other given operational conditions affecting consumers exposure	Room volume: 20 m ³
Conditions and measures related to personal protection and hygiene	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.2, Annex I.2.2 and Annex II.1.2.

9.8 Scenario 8: FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use

This scenario is described by the following combinations of use descriptors. The corresponding contributing scenarios are described in the respective subchapters.

ERC	PROC	PC
ERC11B		PC 31

9.8.1 Exposure Scenario

An overall exposure scenario may be described by a number of contributing scenarios which may be subdivided into environmental exposure, worker exposure and consumer exposure.

The following scenarios contribute to the scenario *FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use*.

The corresponding release to the environment, exposure of workers and consumers resulting from these contributing scenarios is summarized in chapter 10.8 ff.

9.8.1.1 Contributing Scenario (1) controlling environmental exposure for ERC11B

FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use

Amounts used	100 to per year
Release times per year	365
Environmental factors not influenced by risk management	River flow rate: 18000 m ³ /day
Other given operational conditions affecting environmental exposure	release to: air: 0%, water: 100%, soil: 0%; fraction used at main source: 0,01%; fraction tonnage to region: 10%
Technical onsite conditions and measures to reduce or limit discharges, air emissions and releases to soil	spERC: Consumer use, wide dispersive detergents
Conditions and measures related to municipal sewage treatment plant	Municipal sewage treatment plant discharge: 2000000 L/day

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 3, Annex I.3 and Annex II.2.

9.8.1.2 Contributing Scenario (2) controlling consumer exposure for PC 31

FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use

Product characteristics	spray application
Product subcategory	Polishes, wax / cream (floor, furniture, shoes)
Amount used per application	30 g; product ingredient fraction by weight: dermal: 50%, inhalation: 50%
Frequency of use	50 times/year; exposure time: 4 h

Human factors not influenced by risk management	skin surface area dermal: fingertips
Other given operational conditions affecting consumers exposure	Room volume: 20 m ³ ; spray application
Conditions and measures related to personal protection and hygiene	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.2, Annex I.2.2 and Annex II.1.2.

9.9 Scenario 9: HAND DISHWASHING (liquid regular, liquid concentrate) for consumer use

This scenario is described by the following combinations of use descriptors. The corresponding contributing scenarios are described in the respective subchapters.

ERC	PROC	PC
ERC11B		PC 35

9.9.1 Exposure Scenario

An overall exposure scenario may be described by a number of contributing scenarios which may be subdivided into environmental exposure, worker exposure and consumer exposure.

The following scenarios contribute to the scenario *HAND DISHWASHING (liquid regular, liquid concentrate) for consumer use*.

The corresponding release to the environment, exposure of workers and consumers resulting from these contributing scenarios is summarized in chapter 10.9 ff.

9.9.1.1 Contributing Scenario (1) controlling environmental exposure for ERC11B

HAND DISHWASHING (liquid regular, liquid concentrate) for consumer use

Amounts used	100 to per year
Release times per year	365
Environmental factors not influenced by risk management	River flow rate: 18000 m ³ /day
Other given operational conditions affecting environmental exposure	release to: air: 0%, water: 100%, soil: 0%; fraction used at main source: 0,01%; fraction tonnage to region: 10%
Technical onsite conditions and measures to reduce or limit discharges, air emissions and releases to soil	spERC: Consumer use, wide dispersive detergents

Conditions and measures related to municipal sewage treatment plant	Municipal sewage treatment plant discharge: 2000000 L/day
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More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 3, Annex I.3 and Annex II.2.

9.9.1.2 Contributing Scenario (2) controlling consumer exposure for PC 35 *HAND DISHWASHING (liquid regular, liquid concentrate) for consumer use*

Product characteristics	
Product subcategory	Laundry and dish washing products
Amount used per application	5 g; product ingredient fraction by weight: dermal: 60%, inhalation: 60%
Frequency of use	730 times/year; exposure time: 1 h
Human factors not influenced by risk management	skin surface area dermal: inside hands / one hand / palm of hands
Other given operational conditions affecting consumers exposure	Room volume: 20 m ³
Conditions and measures related to personal protection and hygiene	protective gloves, effectivity: 90%

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.2, Annex I.2.2 and Annex II.1.2.

9.10 Scenario 10: High Pressure washers/cleaners

This scenario is described by the following combinations of use descriptors. The corresponding contributing scenarios are described in the respective subchapters.

ERC	PROC	PC
ERC11B		PC 35

9.10.1 Exposure Scenario

An overall exposure scenario may be described by a number of contributing scenarios which may be subdivided into environmental exposure, worker exposure and consumer exposure.

The following scenarios contribute to the scenario *High Pressure washers/cleaners*.

The corresponding release to the environment, exposure of workers and consumers resulting from these contributing scenarios is summarized in chapter 10.10 ff.

9.10.1.1 Contributing Scenario (1) controlling environmental exposure for ERC11B

High Pressure washers/cleaners

Amounts used	100 to per year
Release times per year	365
Environmental factors not influenced by risk management	River flow rate: 18000 m ³ /day
Other given operational conditions affecting environmental exposure	release to: air: 0%, water: 100%, soil: 0%; fraction used at main source: 0,01%; fraction tonnage to region: 10%
Technical onsite conditions and measures to reduce or limit discharges, air emissions and releases to soil	spERC: Consumer use, wide dispersive detergents
Conditions and measures related to municipal sewage treatment plant	Municipal sewage treatment plant discharge: 2000000 L/day

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 3, Annex I.3 and Annex II.2.

9.10.1.2 Contributing Scenario (2) controlling consumer exposure for PC 35 High Pressure washers/cleaners

Product characteristics	
Product subcategory	Laundry and dish washing products
Amount used per application	50 g; product ingredient fraction by weight: dermal: 60%, inhalation: 60%
Frequency of use	12 times/year; exposure time: 1 h
Human factors not influenced by risk management	skin surface area dermal: inside hands / one hand / palm of hands
Other given operational conditions affecting consumers exposure	Room volume: 20 m ³
Conditions and measures related to personal protection and hygiene	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.2, Annex I.2.2 and Annex II.1.2.

9.11 Scenario 11: INSECTICIDES

This scenario is described by the following combinations of use descriptors. The corresponding contributing scenarios are described in the respective subchapters.

ERC	PROC	PC
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ERC	PROC	PC
ERC11B		PC NA

9.11.1 Exposure Scenario

An overall exposure scenario may be described by a number of contributing scenarios which may be subdivided into environmental exposure, worker exposure and consumer exposure.

The following scenarios contribute to the scenario *INSECTICIDES*.

The corresponding release to the environment, exposure of workers and consumers resulting from these contributing scenarios is summarized in chapter 10.11 ff.

9.11.1.1 Contributing Scenario (1) controlling environmental exposure for ERC11B

INSECTICIDES

Amounts used	100 to per year
Release times per year	365
Environmental factors not influenced by risk management	River flow rate: 18000 m ³ /day
Other given operational conditions affecting environmental exposure	release to: air: 0%, water: 100%, soil: 0%; fraction used at main source: 0,01%; fraction tonnage to region: 10%
Technical onsite conditions and measures to reduce or limit discharges, air emissions and releases to soil	spERC: Consumer use, wide dispersive detergents
Conditions and measures related to municipal sewage treatment plant	Municipal sewage treatment plant discharge: 2000000 L/day

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 3, Annex I.3 and Annex II.2.

9.11.1.2 Contributing Scenario (2) controlling consumer exposure for AC 5

INSECTICIDES

Product characteristics	
Article subcategory	Clothing (all kind of materials), towel
Amount used per application	0.100 g; product ingredient fraction by weight: dermal: 20%, oral: 20%, inhalation: 20%
Frequency of use	25 times/year (<i>justification: Typical frequency of use of spray insecticides is once per two weeks.</i>); exposure time: 8 h

Human factors not influenced by risk management	skin surface area dermal: hands; skin surface area oral: area product mouthed
Other given operational conditions affecting consumers exposure	Room volume: 20 m ³
Conditions and measures related to personal protection and hygiene	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.2, Annex I.2.2 and Annex II.1.2.

9.12 Scenario 12: Industrial Use of Façade/surface Cleaning Products Façade/surface cleaner; High pressure process

This scenario is described by the following combinations of use descriptors. The corresponding contributing scenarios are described in the respective subchapters.

ERC	PROC	PC
ERC4	PROC 7, PROC 8A	PC 35

9.12.1 Exposure Scenario

An overall exposure scenario may be described by a number of contributing scenarios which may be subdivided into environmental exposure, worker exposure and consumer exposure.

The following scenarios contribute to the scenario *Industrial Use of Façade/surface Cleaning Products Façade/surface cleaner; High pressure process*.

The corresponding release to the environment, exposure of workers and consumers resulting from these contributing scenarios is summarized in chapter 10.12 ff.

9.12.1.1 Contributing Scenario (1) controlling environmental exposure for ERC4 *Industrial Use of Façade/surface Cleaning Products Façade/surface cleaner; High pressure process*

Amounts used	100 to per year
Release times per year	20
Environmental factors not influenced by risk management	River flow rate: 18000 m ³ /day
Other given operational conditions affecting environmental exposure	release to: air: 0,1%, water: 100%, soil: 0%; fraction used at main source: 5%; fraction tonnage to region: 10%
Technical onsite conditions and measures to reduce or limit discharges, air emissions and releases to soil	spERC: Industrial use AISE, local release

Conditions and measures related to municipal sewage treatment plant	Municipal sewage treatment plant discharge: 2000000 L/day
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More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 3, Annex I.3 and Annex II.2.

9.12.1.2 Contributing Scenario (2) controlling industrial worker exposure for PROC 7

Industrial Use of Façade/surface Cleaning Products Façade/surface cleaner; High pressure process

Product characteristics	
Duration of activity	480 min/day (<i>justification: Imported Scenario settings from file: AISE_Ilusesandexposures021109 Expodauer in Minuten pro Tag.xls</i>)
Other given operational conditions affecting workers exposure	Work is carried out outdoors
Technical conditions and measures to control dispersion and exposure	
Conditions and measures related to personal protection, hygiene and health evaluation	respiratory protection: 90%

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.12.1.3 Contributing Scenario (3) controlling industrial worker exposure for PROC 8A

Industrial Use of Façade/surface Cleaning Products Façade/surface cleaner; High pressure process

Product characteristics	
Duration of activity	10 min/day (<i>justification: Imported Scenario settings from file: AISE_Ilusesandexposures021109 Expodauer in Minuten pro Tag.xls</i>)
Other given operational conditions affecting workers exposure	Work is carried out outdoors
Technical conditions and measures to control dispersion and exposure	
Conditions and measures related to personal protection, hygiene and health evaluation	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.13 Scenario 13: Industrial Use of Façade/surface Cleaning Products Façade/surface cleaner; Medium pressure process

This scenario is described by the following combinations of use descriptors. The corresponding contributing scenarios are described in the respective subchapters.

ERC	PROC	PC
ERC4	PROC 11, PROC 8A	PC 35

9.13.1 Exposure Scenario

An overall exposure scenario may be described by a number of contributing scenarios which may be subdivided into environmental exposure, worker exposure and consumer exposure.

The following scenarios contribute to the scenario *Industrial Use of Façade/surface Cleaning Products Façade/surface cleaner; Medium pressure process*.

The corresponding release to the environment, exposure of workers and consumers resulting from these contributing scenarios is summarized in chapter 10.13 ff.

9.13.1.1 Contributing Scenario (1) controlling environmental exposure for ERC4 *Industrial Use of Façade/surface Cleaning Products Façade/surface cleaner; Medium pressure process*

Amounts used	100 to per year
Release times per year	20
Environmental factors not influenced by risk management	River flow rate: 18000 m ³ /day
Other given operational conditions affecting environmental exposure	release to: air: 0,1%, water: 100%, soil: 0%; fraction used at main source: 5%; fraction tonnage to region: 10%
Technical onsite conditions and measures to reduce or limit discharges, air emissions and releases to soil	spERC: Industrial use AISE, local release
Conditions and measures related to municipal sewage treatment plant	Municipal sewage treatment plant discharge: 2000000 L/day

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 3, Annex I.3 and Annex II.2.

9.13.1.2 Contributing Scenario (2) controlling industrial worker exposure for

PROC 11

Industrial Use of Façade/surface Cleaning Products Façade/surface cleaner; Medium pressure process

Product characteristics	
Duration of activity	480 min/day (<i>justification: Imported Scenario settings from file: AISE_Ilusesandexposures021109 Expodauer in Minuten pro Tag.xls</i>)
Other given operational conditions affecting workers exposure	Work is carried out outdoors
Technical conditions and measures to control dispersion and exposure	
Conditions and measures related to personal protection, hygiene and health evaluation	respiratory protection: 90%

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.13.1.3 Contributing Scenario (3) controlling industrial worker exposure for PROC 8A

Industrial Use of Façade/surface Cleaning Products Façade/surface cleaner; Medium pressure process

Product characteristics	
Duration of activity	10 min/day (<i>justification: Imported Scenario settings from file: AISE_Ilusesandexposures021109 Expodauer in Minuten pro Tag.xls</i>)
Other given operational conditions affecting workers exposure	Work is carried out outdoors
Technical conditions and measures to control dispersion and exposure	
Conditions and measures related to personal protection, hygiene and health evaluation	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.14 Scenario 14: Industrial Use of Vehicle cleaning Products Boat cleaner; Manual process

This scenario is described by the following combinations of use descriptors. The corresponding contributing scenarios are described in the respective subchapters.

ERC	PROC	PC
ERC4	PROC 10, PROC 8A	PC 35

9.14.1 Exposure Scenario

An overall exposure scenario may be described by a number of contributing scenarios which may be subdivided into environmental exposure, worker exposure and consumer exposure.

The following scenarios contribute to the scenario *Industrial Use of Vehicle cleaning Products Boat cleaner; Manual process*.

The corresponding release to the environment, exposure of workers and consumers resulting from these contributing scenarios is summarized in chapter 10.14 ff.

9.14.1.1 Contributing Scenario (1) controlling environmental exposure for ERC4

Industrial Use of Vehicle cleaning Products Boat cleaner; Manual process

Amounts used	100 to per year
Release times per year	20
Environmental factors not influenced by risk management	River flow rate: 18000 m ³ /day
Other given operational conditions affecting environmental exposure	release to: air: 0,1%, water: 100%, soil: 0%; fraction used at main source: 5%; fraction tonnage to region: 10%
Technical onsite conditions and measures to reduce or limit discharges, air emissions and releases to soil	spERC: Industrial use AISE, local release
Conditions and measures related to municipal sewage treatment plant	Municipal sewage treatment plant discharge: 2000000 L/day

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 3, Annex I.3 and Annex II.2.

9.14.1.2 Contributing Scenario (2) controlling industrial worker exposure for PROC 10

Industrial Use of Vehicle cleaning Products Boat cleaner; Manual process

Product characteristics	
Duration of activity	480 min/day (<i>justification: Imported Scenario settings from file: AISE_IIusesandexposures021109 Expodauer in Minuten pro Tag.xls</i>)

Other given operational conditions affecting workers exposure	Work is carried out outdoors
Technical conditions and measures to control dispersion and exposure	
Conditions and measures related to personal protection, hygiene and health evaluation	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.14.1.3 Contributing Scenario (3) controlling industrial worker exposure for PROC 8A

Industrial Use of Vehicle cleaning Products Boat cleaner; Manual process

Product characteristics	
Duration of activity	30 min/day (<i>justification: Imported Scenario settings from file: AISE_Ilusesandexposures021109 Expodauer in Minuten pro Tag.xls</i>)
Other given operational conditions affecting workers exposure	Work is carried out outdoors
Technical conditions and measures to control dispersion and exposure	
Conditions and measures related to personal protection, hygiene and health evaluation	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.15 Scenario 15: Industrial Use of Vehicle cleaning Products Boat cleaner; Spray and wipe manual process

This scenario is described by the following combinations of use descriptors. The corresponding contributing scenarios are described in the respective subchapters.

ERC	PROC	PC
ERC4	PROC 11, PROC 8A	PC 35

9.15.1 Exposure Scenario

An overall exposure scenario may be described by a number of contributing scenarios which may be subdivided into environmental exposure, worker exposure

and consumer exposure.

The following scenarios contribute to the scenario *Industrial Use of Vehicle cleaning Products Boat cleaner; Spray and wipe manual process*.

The corresponding release to the environment, exposure of workers and consumers resulting from these contributing scenarios is summarized in chapter 10.15 ff.

9.15.1.1 Contributing Scenario (1) controlling environmental exposure for ERC4 *Industrial Use of Vehicle cleaning Products Boat cleaner; Spray and wipe manual process*

Amounts used	100 to per year
Release times per year	20
Environmental factors not influenced by risk management	River flow rate: 18000 m ³ /day
Other given operational conditions affecting environmental exposure	release to: air: 0,1%, water: 100%, soil: 0%; fraction used at main source: 5%; fraction tonnage to region: 10%
Technical onsite conditions and measures to reduce or limit discharges, air emissions and releases to soil	spERC: Industrial use AISE, local release
Conditions and measures related to municipal sewage treatment plant	Municipal sewage treatment plant discharge: 2000000 L/day

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 3, Annex I.3 and Annex II.2.

9.15.1.2 Contributing Scenario (2) controlling industrial worker exposure for PROC 11

Industrial Use of Vehicle cleaning Products Boat cleaner; Spray and wipe manual process

Product characteristics	
Duration of activity	480 min/day (<i>justification: Imported Scenario settings from file: AISE_Ilusesandexposures021109 Expodauer in Minuten pro Tag.xls</i>)
Other given operational conditions affecting workers exposure	Work is carried out outdoors
Technical conditions and measures to control dispersion and exposure	
Conditions and measures related to personal protection, hygiene and health evaluation	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.15.1.3 Contributing Scenario (3) controlling industrial worker exposure for PROC 8A

Industrial Use of Vehicle cleaning Products Boat cleaner; Spray and wipe manual process

Product characteristics	
Duration of activity	30 min/day (<i>justification: Imported Scenario settings from file: AISE_Ilusesandexposures021109 Expodauer in Minuten pro Tag.xls</i>)
Other given operational conditions affecting workers exposure	Work is carried out outdoors
Technical conditions and measures to control dispersion and exposure	
Conditions and measures related to personal protection, hygiene and health evaluation	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.16 Scenario 16: Industrial Use of Vehicle cleaning Products Car wash product; Semi-Automatic process

This scenario is described by the following combinations of use descriptors. The corresponding contributing scenarios are described in the respective subchapters.

ERC	PROC	PC
ERC4	PROC 4, PROC 8A	PC 35

9.16.1 Exposure Scenario

An overall exposure scenario may be described by a number of contributing scenarios which may be subdivided into environmental exposure, worker exposure and consumer exposure.

The following scenarios contribute to the scenario *Industrial Use of Vehicle cleaning Products Car wash product; Semi-Automatic process*.

The corresponding release to the environment, exposure of workers and consumers resulting from these contributing scenarios is summarized in chapter 10.16 ff.

9.16.1.1 Contributing Scenario (1) controlling environmental exposure for ERC4

Industrial Use of Vehicle cleaning Products Car wash product; Semi-Automatic process

Amounts used	100 to per year
Release times per year	20
Environmental factors not influenced by risk management	River flow rate: 18000 m ³ /day
Other given operational conditions affecting environmental exposure	release to: air: 0,1%, water: 100%, soil: 0%; fraction used at main source: 5%; fraction tonnage to region: 10%
Technical onsite conditions and measures to reduce or limit discharges, air emissions and releases to soil	spERC: Industrial use AISE, local release
Conditions and measures related to municipal sewage treatment plant	Municipal sewage treatment plant discharge: 2000000 L/day

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 3, Annex I.3 and Annex II.2.

9.16.1.2 Contributing Scenario (2) controlling industrial worker exposure for PROC 4

Industrial Use of Vehicle cleaning Products Car wash product; Semi-Automatic process

Product characteristics	
Duration of activity	480 min/day (<i>justification: Imported Scenario settings from file: AISE_IIusesandexposures021109 Expodauer in Minuten pro Tag.xls</i>)
Other given operational conditions affecting workers exposure	Work is carried out outdoors
Technical conditions and measures to control dispersion and exposure	
Conditions and measures related to personal protection, hygiene and health evaluation	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.16.1.3 Contributing Scenario (3) controlling industrial worker exposure for PROC 4

Industrial Use of Vehicle cleaning Products Car wash product; Semi-Automatic process

Product characteristics	
Duration of activity	480 min/day (<i>justification: Imported Scenario settings from file: AISE_Ilusesandexposures021109 Expodauer in Minuten pro Tag.xls</i>)
Other given operational conditions affecting workers exposure	Work is carried out indoors
Technical conditions and measures to control dispersion and exposure	
Conditions and measures related to personal protection, hygiene and health evaluation	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.16.1.4 Contributing Scenario (4) controlling industrial worker exposure for PROC 8A

Industrial Use of Vehicle cleaning Products Car wash product; Semi-Automatic process

Product characteristics	
Duration of activity	30 min/day (<i>justification: Imported Scenario settings from file: AISE_Ilusesandexposures021109 Expodauer in Minuten pro Tag.xls</i>)
Other given operational conditions affecting workers exposure	Work is carried out outdoors
Technical conditions and measures to control dispersion and exposure	
Conditions and measures related to personal protection, hygiene and health evaluation	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.16.1.5 Contributing Scenario (5) controlling industrial worker exposure for PROC 8A

Industrial Use of Vehicle cleaning Products Car wash product; Semi-Automatic process

Product characteristics	
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Duration of activity	30 min/day (<i>justification: Imported Scenario settings from file: AISE_Ilusesandexposures021109 Expodauer in Minuten pro Tag.xls</i>)
Other given operational conditions affecting workers exposure	Work is carried out indoors
Technical conditions and measures to control dispersion and exposure	
Conditions and measures related to personal protection, hygiene and health evaluation	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.17 Scenario 17: Industrial Use of Vehicle cleaning Products Car wash product; Spray and rinse process

This scenario is described by the following combinations of use descriptors. The corresponding contributing scenarios are described in the respective subchapters.

ERC	PROC	PC
ERC4	PROC 8A, PROC 11	PC 35

9.17.1 Exposure Scenario

An overall exposure scenario may be described by a number of contributing scenarios which may be subdivided into environmental exposure, worker exposure and consumer exposure.

The following scenarios contribute to the scenario *Industrial Use of Vehicle cleaning Products Car wash product; Spray and rinse process*.

The corresponding release to the environment, exposure of workers and consumers resulting from these contributing scenarios is summarized in chapter 10.17 ff.

9.17.1.1 Contributing Scenario (1) controlling environmental exposure for ERC4 *Industrial Use of Vehicle cleaning Products Car wash product; Spray and rinse process*

Amounts used	100 to per year
Release times per year	20
Environmental factors not influenced by risk management	River flow rate: 18000 m ³ /day

Other given operational conditions affecting environmental exposure	release to: air: 0,1%, water: 100%, soil: 0%; fraction used at main source: 5%; fraction tonnage to region: 10%
Technical onsite conditions and measures to reduce or limit discharges, air emissions and releases to soil	spERC: Industrial use AISE, local release
Conditions and measures related to municipal sewage treatment plant	Municipal sewage treatment plant discharge: 2000000 L/day

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 3, Annex I.3 and Annex II.2.

9.17.1.2 Contributing Scenario (2) controlling industrial worker exposure for PROC 8A

Industrial Use of Vehicle cleaning Products Car wash product; Spray and rinse process

Product characteristics	
Duration of activity	30 min/day (<i>justification: Imported Scenario settings from file: AISE_IIusesandexposures021109 Expodauer in Minuten pro Tag.xls</i>)
Other given operational conditions affecting workers exposure	Work is carried out indoors
Technical conditions and measures to control dispersion and exposure	
Conditions and measures related to personal protection, hygiene and health evaluation	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.17.1.3 Contributing Scenario (3) controlling industrial worker exposure for PROC 8A

Industrial Use of Vehicle cleaning Products Car wash product; Spray and rinse process

Product characteristics	
Duration of activity	30 min/day (<i>justification: Imported Scenario settings from file: AISE_IIusesandexposures021109 Expodauer in Minuten pro Tag.xls</i>)

Other given operational conditions affecting workers exposure	Work is carried out outdoors
Technical conditions and measures to control dispersion and exposure	
Conditions and measures related to personal protection, hygiene and health evaluation	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.17.1.4 Contributing Scenario (4) controlling industrial worker exposure for PROC 11

Industrial Use of Vehicle cleaning Products Car wash product; Spray and rinse process

Product characteristics	
Duration of activity	480 min/day (<i>justification: Imported Scenario settings from file: AISE_Ilusesandexposures021109 Expodauer in Minuten pro Tag.xls</i>)
Other given operational conditions affecting workers exposure	Work is carried out outdoors
Technical conditions and measures to control dispersion and exposure	
Conditions and measures related to personal protection, hygiene and health evaluation	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.17.1.5 Contributing Scenario (5) controlling industrial worker exposure for PROC 11

Industrial Use of Vehicle cleaning Products Car wash product; Spray and rinse process

Product characteristics	
Duration of activity	480 min/day (<i>justification: Imported Scenario settings from file: AISE_Ilusesandexposures021109 Expodauer in Minuten pro Tag.xls</i>)
Other given operational conditions affecting workers exposure	Work is carried out indoors

Technical conditions and measures to control dispersion and exposure	
Conditions and measures related to personal protection, hygiene and health evaluation	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.18 Scenario 18: Industrial Use of Vehicle cleaning Products Car wash product; Spray and wipe manual process

This scenario is described by the following combinations of use descriptors. The corresponding contributing scenarios are described in the respective subchapters.

ERC	PROC	PC
ERC4	PROC 8A, PROC 11	PC 35

9.18.1 Exposure Scenario

An overall exposure scenario may be described by a number of contributing scenarios which may be subdivided into environmental exposure, worker exposure and consumer exposure.

The following scenarios contribute to the scenario *Industrial Use of Vehicle cleaning Products Car wash product; Spray and wipe manual process*.

The corresponding release to the environment, exposure of workers and consumers resulting from these contributing scenarios is summarized in chapter 10.18 ff.

9.18.1.1 Contributing Scenario (1) controlling environmental exposure for ERC4 *Industrial Use of Vehicle cleaning Products Car wash product; Spray and wipe manual process*

Amounts used	100 to per year
Release times per year	20
Environmental factors not influenced by risk management	River flow rate: 18000 m ³ /day
Other given operational conditions affecting environmental exposure	release to: air: 0,1%, water: 100%, soil: 0%; fraction used at main source: 5%; fraction tonnage to region: 10%
Technical onsite conditions and measures to reduce or limit discharges, air emissions and releases to soil	spERC: Industrial use AISE, local release
Conditions and measures related to municipal sewage treatment plant	Municipal sewage treatment plant discharge: 2000000 L/day

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 3, Annex I.3 and Annex II.2.

9.18.1.2 Contributing Scenario (2) controlling industrial worker exposure for PROC 8A

Industrial Use of Vehicle cleaning Products Car wash product; Spray and wipe manual process

Product characteristics	
Duration of activity	30 min/day (<i>justification: Imported Scenario settings from file: AISE_Ilusesandexposures021109 Expodauer in Minuten pro Tag.xls</i>)
Other given operational conditions affecting workers exposure	Work is carried out outdoors
Technical conditions and measures to control dispersion and exposure	
Conditions and measures related to personal protection, hygiene and health evaluation	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.18.1.3 Contributing Scenario (3) controlling industrial worker exposure for PROC 11

Industrial Use of Vehicle cleaning Products Car wash product; Spray and wipe manual process

Product characteristics	
Duration of activity	480 min/day (<i>justification: Imported Scenario settings from file: AISE_Ilusesandexposures021109 Expodauer in Minuten pro Tag.xls</i>)
Other given operational conditions affecting workers exposure	Work is carried out outdoors
Technical conditions and measures to control dispersion and exposure	
Conditions and measures related to personal protection, hygiene and health evaluation	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1,

Annex I.2.1 and Annex II.1.1.

9.19 Scenario 19: Industrial Use of Vehicle cleaning Products Dewaxing product; Semi-Automatic process

This scenario is described by the following combinations of use descriptors. The corresponding contributing scenarios are described in the respective subchapters.

ERC	PROC	PC
ERC4	PROC 8A, PROC 4	PC 35

9.19.1 Exposure Scenario

An overall exposure scenario may be described by a number of contributing scenarios which may be subdivided into environmental exposure, worker exposure and consumer exposure.

The following scenarios contribute to the scenario *Industrial Use of Vehicle cleaning Products Dewaxing product; Semi-Automatic process*.

The corresponding release to the environment, exposure of workers and consumers resulting from these contributing scenarios is summarized in chapter 10.19 ff.

9.19.1.1 Contributing Scenario (1) controlling environmental exposure for ERC4 *Industrial Use of Vehicle cleaning Products Dewaxing product; Semi-Automatic process*

Amounts used	100 to per year
Release times per year	20
Environmental factors not influenced by risk management	River flow rate: 18000 m ³ /day
Other given operational conditions affecting environmental exposure	release to: air: 0,1%, water: 100%, soil: 0%; fraction used at main source: 5%; fraction tonnage to region: 10%
Technical onsite conditions and measures to reduce or limit discharges, air emissions and releases to soil	spERC: Industrial use AISE, local release
Conditions and measures related to municipal sewage treatment plant	Municipal sewage treatment plant discharge: 2000000 L/day

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 3, Annex I.3 and Annex II.2.

9.19.1.2 Contributing Scenario (2) controlling industrial worker exposure for PROC 8A

Industrial Use of Vehicle cleaning Products Dewaxing product; Semi-Automatic process

Product characteristics	
Duration of activity	30 min/day (<i>justification: Imported Scenario settings from file: AISE_Ilusesandexposures021109 Expodauer in Minuten pro Tag.xls</i>)
Other given operational conditions affecting workers exposure	Work is carried out outdoors
Technical conditions and measures to control dispersion and exposure	
Conditions and measures related to personal protection, hygiene and health evaluation	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.19.1.3 Contributing Scenario (3) controlling industrial worker exposure for PROC 4

Industrial Use of Vehicle cleaning Products Dewaxing product; Semi-Automatic process

Product characteristics	
Duration of activity	480 min/day (<i>justification: Imported Scenario settings from file: AISE_Ilusesandexposures021109 Expodauer in Minuten pro Tag.xls</i>)
Other given operational conditions affecting workers exposure	Work is carried out outdoors
Technical conditions and measures to control dispersion and exposure	
Conditions and measures related to personal protection, hygiene and health evaluation	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.19.1.4 Contributing Scenario (4) controlling industrial worker exposure for PROC 8A

Industrial Use of Vehicle cleaning Products Dewaxing product; Semi-Automatic process

Product characteristics	
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Duration of activity	30 min/day (<i>justification: Imported Scenario settings from file: AISE_IIusesandexposures021109 Expodauer in Minuten pro Tag.xls</i>)
Other given operational conditions affecting workers exposure	Work is carried out indoors
Technical conditions and measures to control dispersion and exposure	
Conditions and measures related to personal protection, hygiene and health evaluation	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.19.1.5 Contributing Scenario (5) controlling industrial worker exposure for PROC 4

Industrial Use of Vehicle cleaning Products Dewaxing product; Semi-Automatic process

Product characteristics	
Duration of activity	480 min/day (<i>justification: Imported Scenario settings from file: AISE_IIusesandexposures021109 Expodauer in Minuten pro Tag.xls</i>)
Other given operational conditions affecting workers exposure	Work is carried out indoors
Technical conditions and measures to control dispersion and exposure	
Conditions and measures related to personal protection, hygiene and health evaluation	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.20 Scenario 20: Industrial use of Food beverage and pharmacos products Animal housing care; Semi-Automatic process

This scenario is described by the following combinations of use descriptors. The corresponding contributing scenarios are described in the respective subchapters.

ERC	PROC	PC
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ERC	PROC	PC
ERC4	PROC 8A, PROC 10	PC 35

9.20.1 Exposure Scenario

An overall exposure scenario may be described by a number of contributing scenarios which may be subdivided into environmental exposure, worker exposure and consumer exposure.

The following scenarios contribute to the scenario *Industrial use of Food beverage and pharmacos products Animal housing care; Semi-Automatic process*.

The corresponding release to the environment, exposure of workers and consumers resulting from these contributing scenarios is summarized in chapter 10.20 ff.

9.20.1.1 Contributing Scenario (1) controlling environmental exposure for ERC4 *Industrial use of Food beverage and pharmacos products Animal housing care; Semi-Automatic process*

Amounts used	100 to per year
Release times per year	20
Environmental factors not influenced by risk management	River flow rate: 18000 m ³ /day
Other given operational conditions affecting environmental exposure	release to: air: 0,1%, water: 100%, soil: 0%; fraction used at main source: 5%; fraction tonnage to region: 10%
Technical onsite conditions and measures to reduce or limit discharges, air emissions and releases to soil	spERC: Industrial use AISE, local release
Conditions and measures related to municipal sewage treatment plant	Municipal sewage treatment plant discharge: 2000000 L/day

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 3, Annex I.3 and Annex II.2.

9.20.1.2 Contributing Scenario (2) controlling industrial worker exposure for PROC 8A

Industrial use of Food beverage and pharmacos products Animal housing care; Semi-Automatic process

Product characteristics	
Duration of activity	16 min/day (<i>justification: Imported Scenario settings from file: AISE_Ilusesandexposures021109 Expodauer in Minuten pro Tag.xls</i>)

Other given operational conditions affecting workers exposure	Work is carried out indoors
Technical conditions and measures to control dispersion and exposure	
Conditions and measures related to personal protection, hygiene and health evaluation	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.20.1.3 Contributing Scenario (3) controlling industrial worker exposure for PROC 10

Industrial use of Food beverage and pharmacos products Animal housing care; Semi-Automatic process

Product characteristics	
Duration of activity	480 min/day (<i>justification: Imported Scenario settings from file: AISE_Ilusesandexposures021109 Expodauer in Minuten pro Tag.xls</i>)
Other given operational conditions affecting workers exposure	Work is carried out indoors
Technical conditions and measures to control dispersion and exposure	
Conditions and measures related to personal protection, hygiene and health evaluation	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.21 Scenario 21: Industrial use of Food beverage and pharmacos products Chain maintenance product; Automatic drip and brush process

This scenario is described by the following combinations of use descriptors. The corresponding contributing scenarios are described in the respective subchapters.

ERC	PROC	PC
ERC4	PROC 13, PROC 8A	PC 35

9.21.1 Exposure Scenario

An overall exposure scenario may be described by a number of contributing

scenarios which may be subdivided into environmental exposure, worker exposure and consumer exposure.

The following scenarios contribute to the scenario *Industrial use of Food beverage and pharmacos products Chain maintenance product; Automatic drip and brush process*.

The corresponding release to the environment, exposure of workers and consumers resulting from these contributing scenarios is summarized in chapter 10.21 ff.

9.21.1.1 Contributing Scenario (1) controlling environmental exposure for ERC4

Industrial use of Food beverage and pharmacos products Chain maintenance product; Automatic drip and brush process

Amounts used	100 to per year
Release times per year	20
Environmental factors not influenced by risk management	River flow rate: 18000 m ³ /day
Other given operational conditions affecting environmental exposure	release to: air: 0,1%, water: 100%, soil: 0%; fraction used at main source: 5%; fraction tonnage to region: 10%
Technical onsite conditions and measures to reduce or limit discharges, air emissions and releases to soil	spERC: Industrial use AISE, local release
Conditions and measures related to municipal sewage treatment plant	Municipal sewage treatment plant discharge: 2000000 L/day

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 3, Annex I.3 and Annex II.2.

9.21.1.2 Contributing Scenario (2) controlling industrial worker exposure for PROC 13

Industrial use of Food beverage and pharmacos products Chain maintenance product; Automatic drip and brush process

Product characteristics	
Duration of activity	480 min/day (<i>justification: Imported Scenario settings from file: AISE_IIusesandexposures021109 Expodauer in Minuten pro Tag.xls</i>)
Other given operational conditions affecting workers exposure	Work is carried out indoors
Technical conditions and measures to control dispersion and exposure	

Conditions and measures related to personal protection, hygiene and health evaluation	
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More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.21.1.3 Contributing Scenario (3) controlling industrial worker exposure for PROC 8A

Industrial use of Food beverage and pharmacos products Chain maintenance product; Automatic drip and brush process

Product characteristics	
Duration of activity	15 min/day (<i>justification: Imported Scenario settings from file: AISE_Ilusesandexposures021109 Expodauer in Minuten pro Tag.xls</i>)
Other given operational conditions affecting workers exposure	Work is carried out indoors
Technical conditions and measures to control dispersion and exposure	
Conditions and measures related to personal protection, hygiene and health evaluation	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.22 Scenario 22: Industrial use of Food beverage and pharmacos products Chain maintenance product; Automatic spray process

This scenario is described by the following combinations of use descriptors. The corresponding contributing scenarios are described in the respective subchapters.

ERC	PROC	PC
ERC4	PROC 7, PROC 8A	PC 35

9.22.1 Exposure Scenario

An overall exposure scenario may be described by a number of contributing scenarios which may be subdivided into environmental exposure, worker exposure and consumer exposure.

The following scenarios contribute to the scenario *Industrial use of Food beverage and pharmacos products Chain maintenance product; Automatic spray process*.

The corresponding release to the environment, exposure of workers and consumers resulting from these contributing scenarios is summarized in chapter 10.22 ff.

9.22.1.1 Contributing Scenario (1) controlling environmental exposure for ERC4
Industrial use of Food beverage and pharmacos products Chain maintenance product; Automatic spray process

Amounts used	100 to per year
Release times per year	20
Environmental factors not influenced by risk management	River flow rate: 18000 m ³ /day
Other given operational conditions affecting environmental exposure	release to: air: 0,1%, water: 100%, soil: 0%; fraction used at main source: 5%; fraction tonnage to region: 10%
Technical onsite conditions and measures to reduce or limit discharges, air emissions and releases to soil	spERC: Industrial use AISE, local release
Conditions and measures related to municipal sewage treatment plant	Municipal sewage treatment plant discharge: 2000000 L/day

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 3, Annex I.3 and Annex II.2.

9.22.1.2 Contributing Scenario (2) controlling industrial worker exposure for PROC 7
Industrial use of Food beverage and pharmacos products Chain maintenance product; Automatic spray process

Product characteristics	
Duration of activity	480 min/day (<i>justification: Imported Scenario settings from file: AISE_Ilusesandexposures021109 Expodauer in Minuten pro Tag.xls</i>)
Other given operational conditions affecting workers exposure	Work is carried out indoors
Technical conditions and measures to control dispersion and exposure	
Conditions and measures related to personal protection, hygiene and health evaluation	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.22.1.3 Contributing Scenario (3) controlling industrial worker exposure for PROC 8A

Industrial use of Food beverage and pharmacos products Chain maintenance product; Automatic spray process

Product characteristics	
Duration of activity	15 min/day (<i>justification: Imported Scenario settings from file: AISE_Ilusesandexposures021109 Expodauer in Minuten pro Tag.xls</i>)
Other given operational conditions affecting workers exposure	Work is carried out indoors
Technical conditions and measures to control dispersion and exposure	
Conditions and measures related to personal protection, hygiene and health evaluation	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.23 Scenario 23: Industrial use of Food beverage and pharmacos products Defoaming product; Automatic process

This scenario is described by the following combinations of use descriptors. The corresponding contributing scenarios are described in the respective subchapters.

ERC	PROC	PC
ERC4	PROC 8B, PROC 1	PC 35

9.23.1 Exposure Scenario

An overall exposure scenario may be described by a number of contributing scenarios which may be subdivided into environmental exposure, worker exposure and consumer exposure.

The following scenarios contribute to the scenario *Industrial use of Food beverage and pharmacos products Defoaming product; Automatic process*.

The corresponding release to the environment, exposure of workers and consumers resulting from these contributing scenarios is summarized in chapter 10.23 ff.

9.23.1.1 Contributing Scenario (1) controlling environmental exposure for ERC4

Industrial use of Food beverage and pharmacos products Defoaming product; Automatic process

Amounts used	100 to per year
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Release times per year	20
Environmental factors not influenced by risk management	River flow rate: 18000 m ³ /day
Other given operational conditions affecting environmental exposure	release to: air: 0,1%, water: 100%, soil: 0%; fraction used at main source: 5%; fraction tonnage to region: 10%
Technical onsite conditions and measures to reduce or limit discharges, air emissions and releases to soil	spERC: Industrial use AISE, local release
Conditions and measures related to municipal sewage treatment plant	Municipal sewage treatment plant discharge: 2000000 L/day

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 3, Annex I.3 and Annex II.2.

9.23.1.2 Contributing Scenario (2) controlling industrial worker exposure for PROC 8B

Industrial use of Food beverage and pharmacos products Defoaming product; Automatic process

Product characteristics	
Duration of activity	15 min/day (<i>justification: Imported Scenario settings from file: AISE_Ilusesandexposures021109 Expodauer in Minuten pro Tag.xls</i>)
Other given operational conditions affecting workers exposure	Work is carried out indoors
Technical conditions and measures to control dispersion and exposure	
Conditions and measures related to personal protection, hygiene and health evaluation	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.23.1.3 Contributing Scenario (3) controlling industrial worker exposure for PROC 1

Industrial use of Food beverage and pharmacos products Defoaming product; Automatic process

Product characteristics	
Duration of activity	less than 15 mins

Other given operational conditions affecting workers exposure	Work is carried out indoors
Technical conditions and measures to control dispersion and exposure	
Conditions and measures related to personal protection, hygiene and health evaluation	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.24 Scenario 24: Industrial use of Food beverage and pharmacos products Disinfection product; Fogging and gassing Semi-automatic process

This scenario is described by the following combinations of use descriptors. The corresponding contributing scenarios are described in the respective subchapters.

ERC	PROC	PC
ERC4	PROC 8A, PROC 11	PC 35

9.24.1 Exposure Scenario

An overall exposure scenario may be described by a number of contributing scenarios which may be subdivided into environmental exposure, worker exposure and consumer exposure.

The following scenarios contribute to the scenario *Industrial use of Food beverage and pharmacos products Disinfection product; Fogging and gassing Semi-automatic process*.

The corresponding release to the environment, exposure of workers and consumers resulting from these contributing scenarios is summarized in chapter 10.24 ff.

9.24.1.1 Contributing Scenario (1) controlling environmental exposure for ERC4 *Industrial use of Food beverage and pharmacos products Disinfection product; Fogging and gassing Semi-automatic process*

Amounts used	100 to per year
Release times per year	20
Environmental factors not influenced by risk management	River flow rate: 18000 m ³ /day
Other given operational conditions affecting environmental exposure	release to: air: 0,1%, water: 100%, soil: 0%; fraction used at main source: 5%; fraction tonnage to region: 10%

Technical onsite conditions and measures to reduce or limit discharges, air emissions and releases to soil	spERC: Industrial use AISE, local release
Conditions and measures related to municipal sewage treatment plant	Municipal sewage treatment plant discharge: 2000000 L/day

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 3, Annex I.3 and Annex II.2.

9.24.1.2 Contributing Scenario (2) controlling industrial worker exposure for PROC 8A

Industrial use of Food beverage and pharmacos products Disinfection product; Fogging and gassing Semi-automatic process

Product characteristics	
Duration of activity	5 min/day (<i>justification: Imported Scenario settings from file: AISE_IIusesandexposures021109 Expodauer in Minuten pro Tag.xls</i>)
Other given operational conditions affecting workers exposure	Work is carried out indoors
Technical conditions and measures to control dispersion and exposure	
Conditions and measures related to personal protection, hygiene and health evaluation	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.24.1.3 Contributing Scenario (3) controlling industrial worker exposure for PROC 11

Industrial use of Food beverage and pharmacos products Disinfection product; Fogging and gassing Semi-automatic process

Product characteristics	
Duration of activity	30 min/day (<i>justification: Imported Scenario settings from file: AISE_IIusesandexposures021109 Expodauer in Minuten pro Tag.xls</i>)
Other given operational conditions affecting workers exposure	Work is carried out indoors
Technical conditions and measures to control dispersion and exposure	

Conditions and measures related to personal protection, hygiene and health evaluation	respiratory protection: 90%
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More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.25 Scenario 25: Industrial use of Food beverage and pharmacos products Disinfection product; Semi-automatic process

This scenario is described by the following combinations of use descriptors. The corresponding contributing scenarios are described in the respective subchapters.

ERC	PROC	PC
ERC4	PROC 10, PROC 8A	PC 35

9.25.1 Exposure Scenario

An overall exposure scenario may be described by a number of contributing scenarios which may be subdivided into environmental exposure, worker exposure and consumer exposure.

The following scenarios contribute to the scenario *Industrial use of Food beverage and pharmacos products Disinfection product; Semi-automatic process*.

The corresponding release to the environment, exposure of workers and consumers resulting from these contributing scenarios is summarized in chapter 10.25 ff.

9.25.1.1 Contributing Scenario (1) controlling environmental exposure for ERC4 *Industrial use of Food beverage and pharmacos products Disinfection product; Semi-automatic process*

Amounts used	100 to per year
Release times per year	20
Environmental factors not influenced by risk management	River flow rate: 18000 m ³ /day
Other given operational conditions affecting environmental exposure	release to: air: 0,1%, water: 100%, soil: 0%; fraction used at main source: 5%; fraction tonnage to region: 10%
Technical onsite conditions and measures to reduce or limit discharges, air emissions and releases to soil	spERC: Industrial use AISE, local release
Conditions and measures related to municipal sewage treatment plant	Municipal sewage treatment plant discharge: 2000000 L/day

More details on the individual use conditions, applied algorithms and default values

of this scenario are summarized in the attached EasyTRA report under chapters 3, Annex I.3 and Annex II.2.

9.25.1.2 Contributing Scenario (2) controlling industrial worker exposure for PROC 10

Industrial use of Food beverage and pharmacos products Disinfection product; Semi-automatic process

Product characteristics	
Duration of activity	240 min/day (<i>justification: Imported Scenario settings from file: AISE_Ilusesandexposures021109 Expodauer in Minuten pro Tag.xls</i>)
Other given operational conditions affecting workers exposure	Work is carried out indoors
Technical conditions and measures to control dispersion and exposure	
Conditions and measures related to personal protection, hygiene and health evaluation	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.25.1.3 Contributing Scenario (3) controlling industrial worker exposure for PROC 8A

Industrial use of Food beverage and pharmacos products Disinfection product; Semi-automatic process

Product characteristics	
Duration of activity	16 min/day (<i>justification: Imported Scenario settings from file: AISE_Ilusesandexposures021109 Expodauer in Minuten pro Tag.xls</i>)
Other given operational conditions affecting workers exposure	Work is carried out indoors
Technical conditions and measures to control dispersion and exposure	
Conditions and measures related to personal protection, hygiene and health evaluation	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.26 Scenario 26: Industrial use of Food beverage and pharmacos products Foam cleaner; Semi-Automatic with venting process

This scenario is described by the following combinations of use descriptors. The corresponding contributing scenarios are described in the respective subchapters.

ERC	PROC	PC
ERC4	PROC 8A, PROC 11	PC 35

9.26.1 Exposure Scenario

An overall exposure scenario may be described by a number of contributing scenarios which may be subdivided into environmental exposure, worker exposure and consumer exposure.

The following scenarios contribute to the scenario *Industrial use of Food beverage and pharmacos products Foam cleaner; Semi-Automatic with venting process*.

The corresponding release to the environment, exposure of workers and consumers resulting from these contributing scenarios is summarized in chapter 10.26 ff.

9.26.1.1 Contributing Scenario (1) controlling environmental exposure for ERC4 *Industrial use of Food beverage and pharmacos products Foam cleaner; Semi-Automatic with venting process*

Amounts used	100 to per year
Release times per year	20
Environmental factors not influenced by risk management	River flow rate: 18000 m ³ /day
Other given operational conditions affecting environmental exposure	release to: air: 0,1%, water: 100%, soil: 0%; fraction used at main source: 5%; fraction tonnage to region: 10%
Technical onsite conditions and measures to reduce or limit discharges, air emissions and releases to soil	spERC: Industrial use AISE, local release
Conditions and measures related to municipal sewage treatment plant	Municipal sewage treatment plant discharge: 2000000 L/day

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 3, Annex I.3 and Annex II.2.

9.26.1.2 Contributing Scenario (2) controlling industrial worker exposure for PROC 8A

Industrial use of Food beverage and pharmacos products Foam cleaner; Semi-Automatic with venting process

Product characteristics	
Duration of activity	5 min/day (<i>justification: Imported Scenario settings from file: AISE_Ilusesandexposures021109 Expodauer in Minuten pro Tag.xls</i>)
Other given operational conditions affecting workers exposure	Work is carried out indoors
Technical conditions and measures to control dispersion and exposure	local exhaust ventilation
Conditions and measures related to personal protection, hygiene and health evaluation	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.26.1.3 Contributing Scenario (3) controlling industrial worker exposure for PROC 11

Industrial use of Food beverage and pharmacos products Foam cleaner; Semi-Automatic with venting process

Product characteristics	
Duration of activity	60 min/day (<i>justification: Imported Scenario settings from file: AISE_Ilusesandexposures021109 Expodauer in Minuten pro Tag.xls</i>)
Other given operational conditions affecting workers exposure	Work is carried out indoors
Technical conditions and measures to control dispersion and exposure	local exhaust ventilation
Conditions and measures related to personal protection, hygiene and health evaluation	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.27 Scenario 27: Industrial use of Food beverage and pharmacos products Foam cleaner; Semi-Automatic without venting process

This scenario is described by the following combinations of use descriptors. The corresponding contributing scenarios are described in the respective subchapters.

ERC	PROC	PC
ERC4	PROC 8A, PROC 11	PC 35

9.27.1 Exposure Scenario

An overall exposure scenario may be described by a number of contributing scenarios which may be subdivided into environmental exposure, worker exposure and consumer exposure.

The following scenarios contribute to the scenario *Industrial use of Food beverage and pharmacos products Foam cleaner; Semi-Automatic without venting process*.

The corresponding release to the environment, exposure of workers and consumers resulting from these contributing scenarios is summarized in chapter 10.27 ff.

9.27.1.1 Contributing Scenario (1) controlling environmental exposure for ERC4 *Industrial use of Food beverage and pharmacos products Foam cleaner; Semi-Automatic without venting process*

Amounts used	100 to per year
Release times per year	20
Environmental factors not influenced by risk management	River flow rate: 18000 m ³ /day
Other given operational conditions affecting environmental exposure	release to: air: 0,1%, water: 100%, soil: 0%; fraction used at main source: 5%; fraction tonnage to region: 10%
Technical onsite conditions and measures to reduce or limit discharges, air emissions and releases to soil	spERC: Industrial use AISE, local release
Conditions and measures related to municipal sewage treatment plant	Municipal sewage treatment plant discharge: 2000000 L/day

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 3, Annex I.3 and Annex II.2.

9.27.1.2 Contributing Scenario (2) controlling industrial worker exposure for PROC 8A

Industrial use of Food beverage and pharmacos products Foam cleaner; Semi-Automatic without venting process

Product characteristics	
Duration of activity	5 min/day (<i>justification: Imported Scenario settings from file: AISE_Ilusesandexposures021109 Expodauer in Minuten pro Tag.xls</i>)

Other given operational conditions affecting workers exposure	Work is carried out indoors
Technical conditions and measures to control dispersion and exposure	
Conditions and measures related to personal protection, hygiene and health evaluation	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.27.1.3 Contributing Scenario (3) controlling industrial worker exposure for PROC 11

Industrial use of Food beverage and pharmacos products Foam cleaner; Semi-Automatic without venting process

Product characteristics	
Duration of activity	60 min/day (<i>justification: Imported Scenario settings from file: AISE_Ilusesandexposures021109 Expodauer in Minuten pro Tag.xls</i>)
Other given operational conditions affecting workers exposure	Work is carried out indoors
Technical conditions and measures to control dispersion and exposure	
Conditions and measures related to personal protection, hygiene and health evaluation	respiratory protection: 90%

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.28 Scenario 28: Industrial use of Food beverage and pharmacos products Food process cleaner; Cleaning In place (CIP) process

This scenario is described by the following combinations of use descriptors. The corresponding contributing scenarios are described in the respective subchapters.

ERC	PROC	PC
ERC4	PROC 8B, PROC 1	PC 35

9.28.1 Exposure Scenario

An overall exposure scenario may be described by a number of contributing

scenarios which may be subdivided into environmental exposure, worker exposure and consumer exposure.

The following scenarios contribute to the scenario *Industrial use of Food beverage and pharmacos products Food process cleaner; Cleaning In place (CIP) process*.

The corresponding release to the environment, exposure of workers and consumers resulting from these contributing scenarios is summarized in chapter 10.28 ff.

9.28.1.1 Contributing Scenario (1) controlling environmental exposure for ERC4 *Industrial use of Food beverage and pharmacos products Food process cleaner; Cleaning In place (CIP) process*

Amounts used	100 to per year
Release times per year	20
Environmental factors not influenced by risk management	River flow rate: 18000 m ³ /day
Other given operational conditions affecting environmental exposure	release to: air: 0,1%, water: 100%, soil: 0%; fraction used at main source: 5%; fraction tonnage to region: 10%
Technical onsite conditions and measures to reduce or limit discharges, air emissions and releases to soil	spERC: Industrial use AISE, local release
Conditions and measures related to municipal sewage treatment plant	Municipal sewage treatment plant discharge: 2000000 L/day

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 3, Annex I.3 and Annex II.2.

9.28.1.2 Contributing Scenario (2) controlling industrial worker exposure for PROC 8B *Industrial use of Food beverage and pharmacos products Food process cleaner; Cleaning In place (CIP) process*

Product characteristics	
Duration of activity	5 min/day (<i>justification: Imported Scenario settings from file: AISE_Ilusesandexposures021109 Expodauer in Minuten pro Tag.xls</i>)
Other given operational conditions affecting workers exposure	Work is carried out indoors
Technical conditions and measures to control dispersion and exposure	
Conditions and measures related to personal protection, hygiene and health evaluation	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.28.1.3 Contributing Scenario (3) controlling industrial worker exposure for PROC 1

Industrial use of Food beverage and pharmacos products Food process cleaner; Cleaning In place (CIP) process

Product characteristics	
Duration of activity	less than 15 mins
Other given operational conditions affecting workers exposure	Work is carried out indoors
Technical conditions and measures to control dispersion and exposure	
Conditions and measures related to personal protection, hygiene and health evaluation	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.29 Scenario 29: Industrial use of Food beverage and pharmacos products Food process cleaner; Semi closed cleaning process

This scenario is described by the following combinations of use descriptors. The corresponding contributing scenarios are described in the respective subchapters.

ERC	PROC	PC
ERC4	PROC 4, PROC 8B	PC 35

9.29.1 Exposure Scenario

An overall exposure scenario may be described by a number of contributing scenarios which may be subdivided into environmental exposure, worker exposure and consumer exposure.

The following scenarios contribute to the scenario *Industrial use of Food beverage and pharmacos products Food process cleaner; Semi closed cleaning process*.

The corresponding release to the environment, exposure of workers and consumers resulting from these contributing scenarios is summarized in chapter 10.29 ff.

9.29.1.1 Contributing Scenario (1) controlling environmental exposure for ERC4

Industrial use of Food beverage and pharmacos products Food process cleaner; Semi closed cleaning process

Amounts used	100 to per year
Release times per year	20
Environmental factors not influenced by risk management	River flow rate: 18000 m ³ /day
Other given operational conditions affecting environmental exposure	release to: air: 0,1%, water: 100%, soil: 0%; fraction used at main source: 5%; fraction tonnage to region: 10%
Technical onsite conditions and measures to reduce or limit discharges, air emissions and releases to soil	spERC: Industrial use AISE, local release
Conditions and measures related to municipal sewage treatment plant	Municipal sewage treatment plant discharge: 2000000 L/day

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 3, Annex I.3 and Annex II.2.

9.29.1.2 Contributing Scenario (2) controlling industrial worker exposure for PROC 4

Industrial use of Food beverage and pharmacos products Food process cleaner; Semi closed cleaning process

Product characteristics	
Duration of activity	480 min/day (<i>justification: Imported Scenario settings from file: AISE_Ilusesandexposures021109 Expodauer in Minuten pro Tag.xls</i>)
Other given operational conditions affecting workers exposure	Work is carried out indoors
Technical conditions and measures to control dispersion and exposure	
Conditions and measures related to personal protection, hygiene and health evaluation	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.29.1.3 Contributing Scenario (3) controlling industrial worker exposure for PROC 8B

Industrial use of Food beverage and pharmacos products Food process cleaner; Semi closed cleaning process

Product characteristics	
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Duration of activity	5 min/day (<i>justification: Imported Scenario settings from file: AISE_Ilusesandexposures021109 Expodauer in Minuten pro Tag.xls</i>)
Other given operational conditions affecting workers exposure	Work is carried out indoors
Technical conditions and measures to control dispersion and exposure	
Conditions and measures related to personal protection, hygiene and health evaluation	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.30 Scenario 30: Industrial use of Laundry products Conditioner (softner/starch); Automatic process

This scenario is described by the following combinations of use descriptors. The corresponding contributing scenarios are described in the respective subchapters.

ERC	PROC	PC
ERC4	PROC 2, PROC 8B	PC 35

9.30.1 Exposure Scenario

An overall exposure scenario may be described by a number of contributing scenarios which may be subdivided into environmental exposure, worker exposure and consumer exposure.

The following scenarios contribute to the scenario *Industrial use of Laundry products Conditioner (softner/starch); Automatic process*.

The corresponding release to the environment, exposure of workers and consumers resulting from these contributing scenarios is summarized in chapter 10.30 ff.

9.30.1.1 Contributing Scenario (1) controlling environmental exposure for ERC4 *Industrial use of Laundry products Conditioner (softner/starch); Automatic process*

Amounts used	100 to per year
Release times per year	20
Environmental factors not influenced by risk management	River flow rate: 18000 m ³ /day
Other given operational conditions affecting environmental exposure	release to: air: 0,1%, water: 100%, soil: 0%; fraction used at main source: 5%; fraction tonnage to region: 10%

Technical onsite conditions and measures to reduce or limit discharges, air emissions and releases to soil	spERC: Industrial use AISE, local release
Conditions and measures related to municipal sewage treatment plant	Municipal sewage treatment plant discharge: 2000000 L/day

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 3, Annex I.3 and Annex II.2.

9.30.1.2 Contributing Scenario (2) controlling industrial worker exposure for PROC 2

Industrial use of Laundry products Conditioner (softner/starch); Automatic process

Product characteristics	
Duration of activity	5 min/day (<i>justification: Imported Scenario settings from file: AISE_Ilusesandexposures021109 Expodauer in Minuten pro Tag.xls</i>)
Other given operational conditions affecting workers exposure	Work is carried out indoors
Technical conditions and measures to control dispersion and exposure	
Conditions and measures related to personal protection, hygiene and health evaluation	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.30.1.3 Contributing Scenario (3) controlling industrial worker exposure for PROC 8B

Industrial use of Laundry products Conditioner (softner/starch); Automatic process

Product characteristics	
Duration of activity	15 min/day (<i>justification: Imported Scenario settings from file: AISE_Ilusesandexposures021109 Expodauer in Minuten pro Tag.xls</i>)
Other given operational conditions affecting workers exposure	Work is carried out indoors
Technical conditions and measures to control dispersion and exposure	

Conditions and measures related to personal protection, hygiene and health evaluation	
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More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.31 Scenario 31: Industrial use of Laundry products Laundry aid (gasing); Automatic process

This scenario is described by the following combinations of use descriptors. The corresponding contributing scenarios are described in the respective subchapters.

ERC	PROC	PC
ERC8A	PROC 2, PROC 8B	PC 35

9.31.1 Exposure Scenario

An overall exposure scenario may be described by a number of contributing scenarios which may be subdivided into environmental exposure, worker exposure and consumer exposure.

The following scenarios contribute to the scenario *Industrial use of Laundry products Laundry aid (gasing); Automatic process*.

The corresponding release to the environment, exposure of workers and consumers resulting from these contributing scenarios is summarized in chapter 10.31 ff.

9.31.1.1 Contributing Scenario (1) controlling environmental exposure for ERC8A

Industrial use of Laundry products Laundry aid (gasing); Automatic process

Amounts used	100 to per year
Release times per year	365
Environmental factors not influenced by risk management	River flow rate: 18000 m ³ /day
Other given operational conditions affecting environmental exposure	release to: air: 0,1%, water: 100%, soil: 0%; fraction used at main source: 0,2%; fraction tonnage to region: 10%
Technical onsite conditions and measures to reduce or limit discharges, air emissions and releases to soil	spERC: Professional use, AISE, wide dispersive use
Conditions and measures related to municipal sewage treatment plant	Municipal sewage treatment plant discharge: 2000000 L/day

More details on the individual use conditions, applied algorithms and default values

of this scenario are summarized in the attached EasyTRA report under chapters 3, Annex I.3 and Annex II.2.

9.31.1.2 Contributing Scenario (2) controlling industrial worker exposure for PROC 2

Industrial use of Laundry products Laundry aid (gasing); Automatic process

Product characteristics	
Duration of activity	5 min/day (<i>justification: Imported Scenario settings from file: AISE_Ilusesandexposures021109 Expodauer in Minuten pro Tag.xls</i>)
Other given operational conditions affecting workers exposure	Work is carried out indoors
Technical conditions and measures to control dispersion and exposure	
Conditions and measures related to personal protection, hygiene and health evaluation	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.31.1.3 Contributing Scenario (3) controlling industrial worker exposure for PROC 8B

Industrial use of Laundry products Laundry aid (gasing); Automatic process

Product characteristics	
Duration of activity	15 min/day (<i>justification: Imported Scenario settings from file: AISE_Ilusesandexposures021109 Expodauer in Minuten pro Tag.xls</i>)
Other given operational conditions affecting workers exposure	Work is carried out indoors
Technical conditions and measures to control dispersion and exposure	
Conditions and measures related to personal protection, hygiene and health evaluation	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.32 Scenario 32: Industrial use of Laundry products Laundry aid (non-gasing);

Automatic process

This scenario is described by the following combinations of use descriptors. The corresponding contributing scenarios are described in the respective subchapters.

ERC	PROC	PC
ERC8A	PROC 8B, PROC 2	PC 35

9.32.1 Exposure Scenario

An overall exposure scenario may be described by a number of contributing scenarios which may be subdivided into environmental exposure, worker exposure and consumer exposure.

The following scenarios contribute to the scenario *Industrial use of Laundry products Laundry aid (non-gasing); Automatic process*.

The corresponding release to the environment, exposure of workers and consumers resulting from these contributing scenarios is summarized in chapter 10.32 ff.

9.32.1.1 Contributing Scenario (1) controlling environmental exposure for ERC8A

Industrial use of Laundry products Laundry aid (non-gasing); Automatic process

Amounts used	100 to per year
Release times per year	365
Environmental factors not influenced by risk management	River flow rate: 18000 m ³ /day
Other given operational conditions affecting environmental exposure	release to: air: 0,1%, water: 100%, soil: 0%; fraction used at main source: 0,2%; fraction tonnage to region: 10%
Technical onsite conditions and measures to reduce or limit discharges, air emissions and releases to soil	spERC: Professional use, AISE, wide dispersive use
Conditions and measures related to municipal sewage treatment plant	Municipal sewage treatment plant discharge: 2000000 L/day

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 3, Annex I.3 and Annex II.2.

9.32.1.2 Contributing Scenario (2) controlling industrial worker exposure for PROC 8B

Industrial use of Laundry products Laundry aid (non-gasing); Automatic process

Product characteristics	
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Duration of activity	15 min/day (<i>justification: Imported Scenario settings from file: AISE_Ilusesandexposures021109 Expodauer in Minuten pro Tag.xls</i>)
Other given operational conditions affecting workers exposure	Work is carried out indoors
Technical conditions and measures to control dispersion and exposure	
Conditions and measures related to personal protection, hygiene and health evaluation	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.32.1.3 Contributing Scenario (3) controlling industrial worker exposure for PROC 2

Industrial use of Laundry products Laundry aid (non-gasing); Automatic process

Product characteristics	
Duration of activity	5 min/day (<i>justification: Imported Scenario settings from file: AISE_Ilusesandexposures021109 Expodauer in Minuten pro Tag.xls</i>)
Other given operational conditions affecting workers exposure	Work is carried out indoors
Technical conditions and measures to control dispersion and exposure	
Conditions and measures related to personal protection, hygiene and health evaluation	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.33 Scenario 33: Industrial use of Laundry products Laundry detergent; Automatic process (TST2, TST1)

This scenario is described by the following combinations of use descriptors. The corresponding contributing scenarios are described in the respective subchapters.

ERC	PROC	PC
ERC4	PROC 2, PROC 8B	PC 35

9.33.1 Exposure Scenario

An overall exposure scenario may be described by a number of contributing scenarios which may be subdivided into environmental exposure, worker exposure and consumer exposure.

The following scenarios contribute to the scenario *Industrial use of Laundry products Laundry detergent; Automatic process (TST2, TST1)*.

The corresponding release to the environment, exposure of workers and consumers resulting from these contributing scenarios is summarized in chapter 10.33 ff.

9.33.1.1 Contributing Scenario (1) controlling environmental exposure for ERC4 *Industrial use of Laundry products Laundry detergent; Automatic process (TST2, TST1)*

Amounts used	100 to per year
Release times per year	20
Environmental factors not influenced by risk management	River flow rate: 18000 m ³ /day
Other given operational conditions affecting environmental exposure	release to: air: 0,1%, water: 100%, soil: 0%; fraction used at main source: 5%; fraction tonnage to region: 10%
Technical onsite conditions and measures to reduce or limit discharges, air emissions and releases to soil	spERC: Industrial use AISE, local release
Conditions and measures related to municipal sewage treatment plant	Municipal sewage treatment plant discharge: 2000000 L/day

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 3, Annex I.3 and Annex II.2.

9.33.1.2 Contributing Scenario (2) controlling industrial worker exposure for PROC 2

Industrial use of Laundry products Laundry detergent; Automatic process (TST2, TST1)

Product characteristics	
Duration of activity	5 min/day (<i>justification: Imported Scenario settings from file: AISE_IIusesandexposures021109 Expodauer in Minuten pro Tag.xls</i>)
Other given operational conditions affecting workers exposure	Work is carried out indoors
Technical conditions and measures to control dispersion and exposure	

Conditions and measures related to personal protection, hygiene and health evaluation	
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More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.33.1.3 Contributing Scenario (3) controlling industrial worker exposure for PROC 8B

Industrial use of Laundry products Laundry detergent; Automatic process (TST2, TST1)

Product characteristics	
Duration of activity	15 min/day (<i>justification: Imported Scenario settings from file: AISE_Ilusesandexposures021109 Expodauer in Minuten pro Tag.xls</i>)
Other given operational conditions affecting workers exposure	Work is carried out indoors
Technical conditions and measures to control dispersion and exposure	
Conditions and measures related to personal protection, hygiene and health evaluation	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.34 Scenario 34: Industrial use of Metal Treatment Products Hot metal working fluid; Automatic process

This scenario is described by the following combinations of use descriptors. The corresponding contributing scenarios are described in the respective subchapters.

ERC	PROC	PC
ERC4	PROC 8B	PC 35

9.34.1 Exposure Scenario

An overall exposure scenario may be described by a number of contributing scenarios which may be subdivided into environmental exposure, worker exposure and consumer exposure.

The following scenarios contribute to the scenario *Industrial use of Metal Treatment Products Hot metal working fluid; Automatic process*.

The corresponding release to the environment, exposure of workers and consumers resulting from these contributing scenarios is summarized in chapter 10.34 ff.

9.34.1.1 Contributing Scenario (1) controlling environmental exposure for ERC4
Industrial use of Metal Treatment Products Hot metal working fluid; Automatic process

Amounts used	100 to per year
Release times per year	20
Environmental factors not influenced by risk management	River flow rate: 18000 m ³ /day
Other given operational conditions affecting environmental exposure	release to: air: 0,1%, water: 100%, soil: 0%; fraction used at main source: 5%; fraction tonnage to region: 10%
Technical onsite conditions and measures to reduce or limit discharges, air emissions and releases to soil	spERC: Industrial use AISE, local release
Conditions and measures related to municipal sewage treatment plant	Municipal sewage treatment plant discharge: 2000000 L/day

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 3, Annex I.3 and Annex II.2.

9.34.1.2 Contributing Scenario (2) controlling industrial worker exposure for PROC 8B
Industrial use of Metal Treatment Products Hot metal working fluid; Automatic process

Product characteristics	
Duration of activity	60 min/day (<i>justification: Imported Scenario settings from file: AISE_Ilusesandexposures021109 Expodauer in Minuten pro Tag.xls</i>)
Other given operational conditions affecting workers exposure	Work is carried out indoors
Technical conditions and measures to control dispersion and exposure	local exhaust ventilation
Conditions and measures related to personal protection, hygiene and health evaluation	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.35 Scenario 35: Industrial use of Metal Treatment Products Metal working fluid (rolling oils, lubricants); Automatic process

This scenario is described by the following combinations of use descriptors. The corresponding contributing scenarios are described in the respective subchapters.

ERC	PROC	PC
ERC4	PROC 17, PROC 8B	PC 35

9.35.1 Exposure Scenario

An overall exposure scenario may be described by a number of contributing scenarios which may be subdivided into environmental exposure, worker exposure and consumer exposure.

The following scenarios contribute to the scenario *Industrial use of Metal Treatment Products Metal working fluid (rolling oils, lubricants); Automatic process*.

The corresponding release to the environment, exposure of workers and consumers resulting from these contributing scenarios is summarized in chapter 10.35 ff.

9.35.1.1 Contributing Scenario (1) controlling environmental exposure for ERC4 *Industrial use of Metal Treatment Products Metal working fluid (rolling oils, lubricants); Automatic process*

Amounts used	100 to per year
Release times per year	20
Environmental factors not influenced by risk management	River flow rate: 18000 m ³ /day
Other given operational conditions affecting environmental exposure	release to: air: 0,1%, water: 100%, soil: 0%; fraction used at main source: 5%; fraction tonnage to region: 10%
Technical onsite conditions and measures to reduce or limit discharges, air emissions and releases to soil	spERC: Industrial use AISE, local release
Conditions and measures related to municipal sewage treatment plant	Municipal sewage treatment plant discharge: 2000000 L/day

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 3, Annex I.3 and Annex II.2.

9.35.1.2 Contributing Scenario (2) controlling industrial worker exposure for PROC 17

Industrial use of Metal Treatment Products Metal working fluid (rolling oils, lubricants); Automatic process

Product characteristics	
Duration of activity	480 min/day (<i>justification: Imported Scenario settings from file: AISE_Ilusesandexposures021109 Expodauer in Minuten pro Tag.xls</i>)
Other given operational conditions affecting workers exposure	Work is carried out indoors
Technical conditions and measures to control dispersion and exposure	local exhaust ventilation
Conditions and measures related to personal protection, hygiene and health evaluation	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.35.1.3 Contributing Scenario (3) controlling industrial worker exposure for PROC 8B

Industrial use of Metal Treatment Products Metal working fluid (rolling oils, lubricants); Automatic process

Product characteristics	
Duration of activity	15 min/day (<i>justification: Imported Scenario settings from file: AISE_Ilusesandexposures021109 Expodauer in Minuten pro Tag.xls</i>)
Other given operational conditions affecting workers exposure	Work is carried out indoors
Technical conditions and measures to control dispersion and exposure	local exhaust ventilation
Conditions and measures related to personal protection, hygiene and health evaluation	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.36 Scenario 36: Industrial use of Metal Treatment Products Surface finishing product; Manual with no process water recycling process

This scenario is described by the following combinations of use descriptors. The corresponding contributing scenarios are described in the respective subchapters.

ERC	PROC	PC
ERC4	PROC 8A, PROC 4	PC 35

9.36.1 Exposure Scenario

An overall exposure scenario may be described by a number of contributing scenarios which may be subdivided into environmental exposure, worker exposure and consumer exposure.

The following scenarios contribute to the scenario *Industrial use of Metal Treatment Products Surface finishing product; Manual with no process water recycling process*.

The corresponding release to the environment, exposure of workers and consumers resulting from these contributing scenarios is summarized in chapter 10.36 ff.

9.36.1.1 Contributing Scenario (1) controlling environmental exposure for ERC4 *Industrial use of Metal Treatment Products Surface finishing product; Manual with no process water recycling process*

Amounts used	100 to per year
Release times per year	20
Environmental factors not influenced by risk management	River flow rate: 18000 m ³ /day
Other given operational conditions affecting environmental exposure	release to: air: 0,1%, water: 100%, soil: 0%; fraction used at main source: 5%; fraction tonnage to region: 10%
Technical onsite conditions and measures to reduce or limit discharges, air emissions and releases to soil	spERC: Industrial use AISE, local release
Conditions and measures related to municipal sewage treatment plant	Municipal sewage treatment plant discharge: 2000000 L/day

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 3, Annex I.3 and Annex II.2.

9.36.1.2 Contributing Scenario (2) controlling industrial worker exposure for PROC 8A

Industrial use of Metal Treatment Products Surface finishing product; Manual with no process water recycling process

Product characteristics	
Duration of activity	10 min/day (<i>justification: Imported Scenario settings from file: AISE_Ilusesandexposures021109 Expodauer in Minuten pro Tag.xls</i>)

Other given operational conditions affecting workers exposure	Work is carried out indoors
Technical conditions and measures to control dispersion and exposure	local exhaust ventilation
Conditions and measures related to personal protection, hygiene and health evaluation	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.36.1.3 Contributing Scenario (3) controlling industrial worker exposure for PROC 4

Industrial use of Metal Treatment Products Surface finishing product; Manual with no process water recycling process

Product characteristics	
Duration of activity	480 min/day (<i>justification: Imported Scenario settings from file: AISE_Ilusesandexposures021109 Expodauer in Minuten pro Tag.xls</i>)
Other given operational conditions affecting workers exposure	Work is carried out indoors
Technical conditions and measures to control dispersion and exposure	local exhaust ventilation
Conditions and measures related to personal protection, hygiene and health evaluation	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.37 Scenario 37: Industrial use of Metal Treatment Products Surface finishing product; Manual with water recycling process

This scenario is described by the following combinations of use descriptors. The corresponding contributing scenarios are described in the respective subchapters.

ERC	PROC	PC
ERC4	PROC 4, PROC 8A	PC 35

9.37.1 Exposure Scenario

An overall exposure scenario may be described by a number of contributing

scenarios which may be subdivided into environmental exposure, worker exposure and consumer exposure.

The following scenarios contribute to the scenario *Industrial use of Metal Treatment Products Surface finishing product; Manual with water recycling process*.

The corresponding release to the environment, exposure of workers and consumers resulting from these contributing scenarios is summarized in chapter 10.37 ff.

9.37.1.1 Contributing Scenario (1) controlling environmental exposure for ERC4
Industrial use of Metal Treatment Products Surface finishing product; Manual with water recycling process

Amounts used	100 t per year
Release times per year	20
Environmental factors not influenced by risk management	River flow rate: 18000 m ³ /day
Other given operational conditions affecting environmental exposure	release to: air: 0,1%, water: 100%, soil: 0%; fraction used at main source: 5%; fraction tonnage to region: 10%
Technical onsite conditions and measures to reduce or limit discharges, air emissions and releases to soil	spERC: Industrial use AISE, local release
Conditions and measures related to municipal sewage treatment plant	Municipal sewage treatment plant discharge: 2000000 L/day

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 3, Annex I.3 and Annex II.2.

9.37.1.2 Contributing Scenario (2) controlling industrial worker exposure for PROC 4
Industrial use of Metal Treatment Products Surface finishing product; Manual with water recycling process

Product characteristics	
Duration of activity	480 min/day (<i>justification: Imported Scenario settings from file: AISE_Ilusesandexposures021109 Expodauer in Minuten pro Tag.xls</i>)
Other given operational conditions affecting workers exposure	Work is carried out indoors
Technical conditions and measures to control dispersion and exposure	local exhaust ventilation
Conditions and measures related to personal protection, hygiene and health evaluation	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.37.1.3 Contributing Scenario (3) controlling industrial worker exposure for PROC 8A

Industrial use of Metal Treatment Products Surface finishing product; Manual with water recycling process

Product characteristics	
Duration of activity	10 min/day (<i>justification: Imported Scenario settings from file: AISE_Ilusesandexposures021109 Expodauer in Minuten pro Tag.xls</i>)
Other given operational conditions affecting workers exposure	Work is carried out indoors
Technical conditions and measures to control dispersion and exposure	local exhaust ventilation
Conditions and measures related to personal protection, hygiene and health evaluation	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.38 Scenario 38: Industrial use of Metal Treatment Products* Coating product (Paint, Filler, Putty, Thinner); Automatic process

This scenario is described by the following combinations of use descriptors. The corresponding contributing scenarios are described in the respective subchapters.

ERC	PROC	PC
ERC4	PROC 2, PROC 8B	PC 35

9.38.1 Exposure Scenario

An overall exposure scenario may be described by a number of contributing scenarios which may be subdivided into environmental exposure, worker exposure and consumer exposure.

The following scenarios contribute to the scenario *Industrial use of Metal Treatment Products* Coating product (Paint, Filler, Putty, Thinner); Automatic process*.

The corresponding release to the environment, exposure of workers and consumers resulting from these contributing scenarios is summarized in chapter 10.38 ff.

9.38.1.1 Contributing Scenario (1) controlling environmental exposure for ERC4
Industrial use of Metal Treatment Products Coating product (Paint, Filler, Putty, Thinner); Automatic process*

Amounts used	100 to per year
Release times per year	20
Environmental factors not influenced by risk management	River flow rate: 18000 m ³ /day
Other given operational conditions affecting environmental exposure	release to: air: 0,1%, water: 100%, soil: 0%; fraction used at main source: 5%; fraction tonnage to region: 10%
Technical onsite conditions and measures to reduce or limit discharges, air emissions and releases to soil	spERC: Industrial use AISE, local release
Conditions and measures related to municipal sewage treatment plant	Municipal sewage treatment plant discharge: 2000000 L/day

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 3, Annex I.3 and Annex II.2.

9.38.1.2 Contributing Scenario (2) controlling industrial worker exposure for PROC 2

Industrial use of Metal Treatment Products Coating product (Paint, Filler, Putty, Thinner); Automatic process*

Product characteristics	
Duration of activity	480 min/day (<i>justification: Imported Scenario settings from file: AISE_Ilusesandexposures021109 Expodauer in Minuten pro Tag.xls</i>)
Other given operational conditions affecting workers exposure	Work is carried out indoors
Technical conditions and measures to control dispersion and exposure	local exhaust ventilation
Conditions and measures related to personal protection, hygiene and health evaluation	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.38.1.3 Contributing Scenario (3) controlling industrial worker exposure for PROC 8B

Industrial use of Metal Treatment Products Coating product (Paint, Filler, Putty,*

Thinner); Automatic process

Product characteristics	
Duration of activity	60 min/day (<i>justification: Imported Scenario settings from file: AISE_Ilusesandexposures021109 Expodauer in Minuten pro Tag.xls</i>)
Other given operational conditions affecting workers exposure	Work is carried out indoors
Technical conditions and measures to control dispersion and exposure	local exhaust ventilation
Conditions and measures related to personal protection, hygiene and health evaluation	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.39 Scenario 39: Industrial use of Metal Treatment Products* Coating product (Paint, Filler, Putty, Thinner); Manual process

This scenario is described by the following combinations of use descriptors. The corresponding contributing scenarios are described in the respective subchapters.

ERC	PROC	PC
ERC4	PROC 10, PROC 8A	PC 35

9.39.1 Exposure Scenario

An overall exposure scenario may be described by a number of contributing scenarios which may be subdivided into environmental exposure, worker exposure and consumer exposure.

The following scenarios contribute to the scenario *Industrial use of Metal Treatment Products* Coating product (Paint, Filler, Putty, Thinner); Manual process*.

The corresponding release to the environment, exposure of workers and consumers resulting from these contributing scenarios is summarized in chapter 10.39 ff.

9.39.1.1 Contributing Scenario (1) controlling environmental exposure for ERC4 Industrial use of Metal Treatment Products* Coating product (Paint, Filler, Putty, Thinner); Manual process

Amounts used	100 to per year
Release times per year	20

Environmental factors not influenced by risk management	River flow rate: 18000 m ³ /day
Other given operational conditions affecting environmental exposure	release to: air: 0,1%, water: 100%, soil: 0%; fraction used at main source: 5%; fraction tonnage to region: 10%
Technical onsite conditions and measures to reduce or limit discharges, air emissions and releases to soil	spERC: Industrial use AISE, local release
Conditions and measures related to municipal sewage treatment plant	Municipal sewage treatment plant discharge: 2000000 L/day

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 3, Annex I.3 and Annex II.2.

9.39.1.2 Contributing Scenario (2) controlling industrial worker exposure for PROC 10

Industrial use of Metal Treatment Products Coating product (Paint, Filler, Putty, Thinner); Manual process*

Product characteristics	
Duration of activity	480 min/day (<i>justification: Imported Scenario settings from file: AISE_Ilusesandexposures021109 Expodauer in Minuten pro Tag.xls</i>)
Other given operational conditions affecting workers exposure	Work is carried out indoors
Technical conditions and measures to control dispersion and exposure	local exhaust ventilation
Conditions and measures related to personal protection, hygiene and health evaluation	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.39.1.3 Contributing Scenario (3) controlling industrial worker exposure for PROC 8A

Industrial use of Metal Treatment Products Coating product (Paint, Filler, Putty, Thinner); Manual process*

Product characteristics	
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Duration of activity	60 min/day (<i>justification: Imported Scenario settings from file: AISE_Ilusesandexposures021109 Expodauer in Minuten pro Tag.xls</i>)
Other given operational conditions affecting workers exposure	Work is carried out indoors
Technical conditions and measures to control dispersion and exposure	local exhaust ventilation
Conditions and measures related to personal protection, hygiene and health evaluation	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.40 Scenario 40: Industrial use of Metal Treatment Products* Coating product (Paint, Filler, Putty, Thinner); Semi-Automatic process

This scenario is described by the following combinations of use descriptors. The corresponding contributing scenarios are described in the respective subchapters.

ERC	PROC	PC
ERC4	PROC 4, PROC 8A	PC 35

9.40.1 Exposure Scenario

An overall exposure scenario may be described by a number of contributing scenarios which may be subdivided into environmental exposure, worker exposure and consumer exposure.

The following scenarios contribute to the scenario *Industrial use of Metal Treatment Products* Coating product (Paint, Filler, Putty, Thinner); Semi-Automatic process*.

The corresponding release to the environment, exposure of workers and consumers resulting from these contributing scenarios is summarized in chapter 10.40 ff.

9.40.1.1 Contributing Scenario (1) controlling environmental exposure for ERC4 Industrial use of Metal Treatment Products* Coating product (Paint, Filler, Putty, Thinner); Semi-Automatic process

Amounts used	100 to per year
Release times per year	20
Environmental factors not influenced by risk management	River flow rate: 18000 m ³ /day

Other given operational conditions affecting environmental exposure	release to: air: 0,1%, water: 100%, soil: 0%; fraction used at main source: 5%; fraction tonnage to region: 10%
Technical onsite conditions and measures to reduce or limit discharges, air emissions and releases to soil	spERC: Industrial use AISE, local release
Conditions and measures related to municipal sewage treatment plant	Municipal sewage treatment plant discharge: 2000000 L/day

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 3, Annex I.3 and Annex II.2.

9.40.1.2 Contributing Scenario (2) controlling industrial worker exposure for PROC 4

Industrial use of Metal Treatment Products Coating product (Paint, Filler, Putty, Thinner); Semi-Automatic process*

Product characteristics	
Duration of activity	480 min/day (<i>justification: Imported Scenario settings from file: AISE_IIusesandexposures021109 Expodauer in Minuten pro Tag.xls</i>)
Other given operational conditions affecting workers exposure	Work is carried out indoors
Technical conditions and measures to control dispersion and exposure	local exhaust ventilation
Conditions and measures related to personal protection, hygiene and health evaluation	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.40.1.3 Contributing Scenario (3) controlling industrial worker exposure for PROC 8A

Industrial use of Metal Treatment Products Coating product (Paint, Filler, Putty, Thinner); Semi-Automatic process*

Product characteristics	
Duration of activity	60 min/day (<i>justification: Imported Scenario settings from file: AISE_IIusesandexposures021109 Expodauer in Minuten pro Tag.xls</i>)

Other given operational conditions affecting workers exposure	Work is carried out indoors
Technical conditions and measures to control dispersion and exposure	local exhaust ventilation
Conditions and measures related to personal protection, hygiene and health evaluation	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.41 Scenario 41: Industrial use of Metal Treatment Products* Conversion Layer agent; Automatic process

This scenario is described by the following combinations of use descriptors. The corresponding contributing scenarios are described in the respective subchapters.

ERC	PROC	PC
ERC5	PROC 2, PROC 8B, PROC 10, PROC 8A	PC 35

9.41.1 Exposure Scenario

An overall exposure scenario may be described by a number of contributing scenarios which may be subdivided into environmental exposure, worker exposure and consumer exposure.

The following scenarios contribute to the scenario *Industrial use of Metal Treatment Products* Conversion Layer agent; Automatic process*.

The corresponding release to the environment, exposure of workers and consumers resulting from these contributing scenarios is summarized in chapter 10.41 ff.

9.41.1.1 Contributing Scenario (1) controlling environmental exposure for ERC5 *Industrial use of Metal Treatment Products* Conversion Layer agent; Automatic process*

Amounts used	100 to per year
Release times per year	20
Environmental factors not influenced by risk management	River flow rate: 18000 m ³ /day
Other given operational conditions affecting environmental exposure	release to: air: 0,1%, water: 50%, soil: 0%; fraction used at main source: 5%; fraction tonnage to region: 10%

Technical onsite conditions and measures to reduce or limit discharges, air emissions and releases to soil	spERC: Industrial use, AISE, metal treatment, surface layer conversion
Conditions and measures related to municipal sewage treatment plant	Municipal sewage treatment plant discharge: 2000000 L/day

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 3, Annex I.3 and Annex II.2.

9.41.1.2 Contributing Scenario (2) controlling industrial worker exposure for PROC 2

Industrial use of Metal Treatment Products Conversion Layer agent; Automatic process*

Product characteristics	
Duration of activity	480 min/day (<i>justification: Imported Scenario settings from file: AISE_IIusesandexposures021109 Expodauer in Minuten pro Tag.xls</i>)
Other given operational conditions affecting workers exposure	Work is carried out indoors
Technical conditions and measures to control dispersion and exposure	local exhaust ventilation
Conditions and measures related to personal protection, hygiene and health evaluation	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.41.1.3 Contributing Scenario (3) controlling industrial worker exposure for PROC 8B

Industrial use of Metal Treatment Products Conversion Layer agent; Automatic process*

Product characteristics	
Duration of activity	15 min/day (<i>justification: Imported Scenario settings from file: AISE_IIusesandexposures021109 Expodauer in Minuten pro Tag.xls</i>)
Other given operational conditions affecting workers exposure	Work is carried out indoors
Technical conditions and measures to control dispersion and exposure	local exhaust ventilation

Conditions and measures related to personal protection, hygiene and health evaluation	
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More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.41.1.4 Contributing Scenario (4) controlling industrial worker exposure for PROC 10

Industrial use of Metal Treatment Products Conversion Layer agent; Automatic process*

Product characteristics	
Duration of activity	480 min/day (<i>justification: Imported Scenario settings from file: AISE_Ilusesandexposures021109 Expodauer in Minuten pro Tag.xls</i>)
Other given operational conditions affecting workers exposure	Work is carried out indoors
Technical conditions and measures to control dispersion and exposure	local exhaust ventilation
Conditions and measures related to personal protection, hygiene and health evaluation	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.41.1.5 Contributing Scenario (5) controlling industrial worker exposure for PROC 8A

Industrial use of Metal Treatment Products Conversion Layer agent; Automatic process*

Product characteristics	
Duration of activity	15 min/day (<i>justification: Imported Scenario settings from file: AISE_Ilusesandexposures021109 Expodauer in Minuten pro Tag.xls</i>)
Other given operational conditions affecting workers exposure	Work is carried out indoors
Technical conditions and measures to control dispersion and exposure	local exhaust ventilation

Conditions and measures related to personal protection, hygiene and health evaluation	
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More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.42 Scenario 42: Industrial use of Metal Treatment Products* Metal cleaner (degreaser, descaler, etch); Automatic process

This scenario is described by the following combinations of use descriptors. The corresponding contributing scenarios are described in the respective subchapters.

ERC	PROC	PC
ERC4	PROC 8B, PROC 2	PC 35

9.42.1 Exposure Scenario

An overall exposure scenario may be described by a number of contributing scenarios which may be subdivided into environmental exposure, worker exposure and consumer exposure.

The following scenarios contribute to the scenario *Industrial use of Metal Treatment Products* Metal cleaner (degreaser, descaler, etch); Automatic process*.

The corresponding release to the environment, exposure of workers and consumers resulting from these contributing scenarios is summarized in chapter 10.42 ff.

9.42.1.1 Contributing Scenario (1) controlling environmental exposure for ERC4 *Industrial use of Metal Treatment Products* Metal cleaner (degreaser, descaler, etch); Automatic process*

Amounts used	100 to per year
Release times per year	20
Environmental factors not influenced by risk management	River flow rate: 18000 m ³ /day
Other given operational conditions affecting environmental exposure	release to: air: 0,1%, water: 100%, soil: 0%; fraction used at main source: 5%; fraction tonnage to region: 10%
Technical onsite conditions and measures to reduce or limit discharges, air emissions and releases to soil	spERC: Industrial use AISE, local release
Conditions and measures related to municipal sewage treatment plant	Municipal sewage treatment plant discharge: 2000000 L/day

More details on the individual use conditions, applied algorithms and default values

of this scenario are summarized in the attached EasyTRA report under chapters 3, Annex I.3 and Annex II.2.

9.42.1.2 Contributing Scenario (2) controlling industrial worker exposure for PROC 8B

Industrial use of Metal Treatment Products Metal cleaner (degreaser, descaler, etch); Automatic process*

Product characteristics	
Duration of activity	15 min/day (<i>justification: Imported Scenario settings from file: AISE_Ilusesandexposures021109 Expodauer in Minuten pro Tag.xls</i>)
Other given operational conditions affecting workers exposure	Work is carried out indoors
Technical conditions and measures to control dispersion and exposure	local exhaust ventilation
Conditions and measures related to personal protection, hygiene and health evaluation	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.42.1.3 Contributing Scenario (3) controlling industrial worker exposure for PROC 2

Industrial use of Metal Treatment Products Metal cleaner (degreaser, descaler, etch); Automatic process*

Product characteristics	
Duration of activity	480 min/day (<i>justification: Imported Scenario settings from file: AISE_Ilusesandexposures021109 Expodauer in Minuten pro Tag.xls</i>)
Other given operational conditions affecting workers exposure	Work is carried out indoors
Technical conditions and measures to control dispersion and exposure	local exhaust ventilation
Conditions and measures related to personal protection, hygiene and health evaluation	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.43 Scenario 43: Industrial use of Metal Treatment Products* Metal cleaner (degreaser, descaler, etch); Manual process

This scenario is described by the following combinations of use descriptors. The corresponding contributing scenarios are described in the respective subchapters.

ERC	PROC	PC
ERC4	PROC 8A, PROC 10	PC 35

9.43.1 Exposure Scenario

An overall exposure scenario may be described by a number of contributing scenarios which may be subdivided into environmental exposure, worker exposure and consumer exposure.

The following scenarios contribute to the scenario *Industrial use of Metal Treatment Products* Metal cleaner (degreaser, descaler, etch); Manual process*.

The corresponding release to the environment, exposure of workers and consumers resulting from these contributing scenarios is summarized in chapter 10.43 ff.

9.43.1.1 Contributing Scenario (1) controlling environmental exposure for ERC4 *Industrial use of Metal Treatment Products* Metal cleaner (degreaser, descaler, etch); Manual process*

Amounts used	100 to per year
Release times per year	20
Environmental factors not influenced by risk management	River flow rate: 18000 m ³ /day
Other given operational conditions affecting environmental exposure	release to: air: 0,1%, water: 100%, soil: 0%; fraction used at main source: 5%; fraction tonnage to region: 10%
Technical onsite conditions and measures to reduce or limit discharges, air emissions and releases to soil	spERC: Industrial use AISE, local release
Conditions and measures related to municipal sewage treatment plant	Municipal sewage treatment plant discharge: 2000000 L/day

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 3, Annex I.3 and Annex II.2.

9.43.1.2 Contributing Scenario (2) controlling industrial worker exposure for PROC 8A

Industrial use of Metal Treatment Products Metal cleaner (degreaser, descaler, etch); Manual process*

Product characteristics	
Duration of activity	15 min/day (<i>justification: Imported Scenario settings from file: AISE_Ilusesandexposures021109 Expodauer in Minuten pro Tag.xls</i>)
Other given operational conditions affecting workers exposure	Work is carried out indoors
Technical conditions and measures to control dispersion and exposure	local exhaust ventilation
Conditions and measures related to personal protection, hygiene and health evaluation	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.43.1.3 Contributing Scenario (3) controlling industrial worker exposure for PROC 10

Industrial use of Metal Treatment Products Metal cleaner (degreaser, descaler, etch); Manual process*

Product characteristics	
Duration of activity	480 min/day (<i>justification: Imported Scenario settings from file: AISE_Ilusesandexposures021109 Expodauer in Minuten pro Tag.xls</i>)
Other given operational conditions affecting workers exposure	Work is carried out indoors
Technical conditions and measures to control dispersion and exposure	local exhaust ventilation
Conditions and measures related to personal protection, hygiene and health evaluation	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.44 Scenario 44: Industrial use of Metal Treatment Products* Metal cleaner (degreaser, descaler, etch); Semi-Automatic process

This scenario is described by the following combinations of use descriptors. The corresponding contributing scenarios are described in the respective subchapters.

ERC	PROC	PC
ERC4	PROC 4, PROC 8B	PC 35

9.44.1 Exposure Scenario

An overall exposure scenario may be described by a number of contributing scenarios which may be subdivided into environmental exposure, worker exposure and consumer exposure.

The following scenarios contribute to the scenario *Industrial use of Metal Treatment Products* Metal cleaner (degreaser, descaler, etch); Semi-Automatic process*.

The corresponding release to the environment, exposure of workers and consumers resulting from these contributing scenarios is summarized in chapter 10.44 ff.

9.44.1.1 Contributing Scenario (1) controlling environmental exposure for ERC4 *Industrial use of Metal Treatment Products* Metal cleaner (degreaser, descaler, etch); Semi-Automatic process*

Amounts used	100 to per year
Release times per year	20
Environmental factors not influenced by risk management	River flow rate: 18000 m ³ /day
Other given operational conditions affecting environmental exposure	release to: air: 0,1%, water: 100%, soil: 0%; fraction used at main source: 5%; fraction tonnage to region: 10%
Technical onsite conditions and measures to reduce or limit discharges, air emissions and releases to soil	spERC: Industrial use AISE, local release
Conditions and measures related to municipal sewage treatment plant	Municipal sewage treatment plant discharge: 2000000 L/day

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 3, Annex I.3 and Annex II.2.

9.44.1.2 Contributing Scenario (2) controlling industrial worker exposure for PROC 4

Industrial use of Metal Treatment Products Metal cleaner (degreaser, descaler, etch); Semi-Automatic process*

Product characteristics	
Duration of activity	480 min/day (<i>justification: Imported Scenario settings from file: AISE_Ilusesandexposures021109 Expodauer in Minuten pro Tag.xls</i>)

Other given operational conditions affecting workers exposure	Work is carried out indoors
Technical conditions and measures to control dispersion and exposure	local exhaust ventilation
Conditions and measures related to personal protection, hygiene and health evaluation	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.44.1.3 Contributing Scenario (3) controlling industrial worker exposure for PROC 8B

Industrial use of Metal Treatment Products Metal cleaner (degreaser, descaler, etch); Semi-Automatic process*

Product characteristics	
Duration of activity	15 min/day (<i>justification: Imported Scenario settings from file: AISE_Ilusesandexposures021109 Expodauer in Minuten pro Tag.xls</i>)
Other given operational conditions affecting workers exposure	Work is carried out indoors
Technical conditions and measures to control dispersion and exposure	local exhaust ventilation
Conditions and measures related to personal protection, hygiene and health evaluation	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.45 Scenario 45: Industrial use of Quality control Laboratory Reagents

This scenario is described by the following combinations of use descriptors. The corresponding contributing scenarios are described in the respective subchapters.

ERC	PROC	PC
ERC4	PROC 15	PC 35

9.45.1 Exposure Scenario

An overall exposure scenario may be described by a number of contributing scenarios which may be subdivided into environmental exposure, worker exposure

and consumer exposure.

The following scenarios contribute to the scenario *Industrial use of Quality control Laboratory Reagents*.

The corresponding release to the environment, exposure of workers and consumers resulting from these contributing scenarios is summarized in chapter 10.45 ff.

9.45.1.1 Contributing Scenario (1) controlling environmental exposure for ERC4 *Industrial use of Quality control Laboratory Reagents*

Amounts used	100 to per year
Release times per year	20
Environmental factors not influenced by risk management	River flow rate: 18000 m ³ /day
Other given operational conditions affecting environmental exposure	release to: air: 0,1%, water: 100%, soil: 0%; fraction used at main source: 5%; fraction tonnage to region: 10%
Technical onsite conditions and measures to reduce or limit discharges, air emissions and releases to soil	spERC: Industrial use AISE, local release
Conditions and measures related to municipal sewage treatment plant	Municipal sewage treatment plant discharge: 2000000 L/day

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 3, Annex I.3 and Annex II.2.

9.45.1.2 Contributing Scenario (2) controlling industrial worker exposure for PROC 15 *Industrial use of Quality control Laboratory Reagents*

Product characteristics	
Duration of activity	less than 15 mins
Other given operational conditions affecting workers exposure	Work is carried out indoors
Technical conditions and measures to control dispersion and exposure	local exhaust ventilation
Conditions and measures related to personal protection, hygiene and health evaluation	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.46 Scenario 46: Industrial use of Vehicle cleaning Products Aeroplane cleaner; Semi-Automatic process

This scenario is described by the following combinations of use descriptors. The corresponding contributing scenarios are described in the respective subchapters.

ERC	PROC	PC
ERC4	PROC 8A, PROC 4	PC 35

9.46.1 Exposure Scenario

An overall exposure scenario may be described by a number of contributing scenarios which may be subdivided into environmental exposure, worker exposure and consumer exposure.

The following scenarios contribute to the scenario *Industrial use of Vehicle cleaning Products Aeroplane cleaner; Semi-Automatic process*.

The corresponding release to the environment, exposure of workers and consumers resulting from these contributing scenarios is summarized in chapter 10.46 ff.

9.46.1.1 Contributing Scenario (1) controlling environmental exposure for ERC4 *Industrial use of Vehicle cleaning Products Aeroplane cleaner; Semi-Automatic process*

Amounts used	100 to per year
Release times per year	20
Environmental factors not influenced by risk management	River flow rate: 18000 m ³ /day
Other given operational conditions affecting environmental exposure	release to: air: 0,1%, water: 100%, soil: 0%; fraction used at main source: 5%; fraction tonnage to region: 10%
Technical onsite conditions and measures to reduce or limit discharges, air emissions and releases to soil	spERC: Industrial use AISE, local release
Conditions and measures related to municipal sewage treatment plant	Municipal sewage treatment plant discharge: 2000000 L/day

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 3, Annex I.3 and Annex II.2.

9.46.1.2 Contributing Scenario (2) controlling industrial worker exposure for PROC 8A

Industrial use of Vehicle cleaning Products Aeroplane cleaner; Semi-Automatic process

Product characteristics	
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Duration of activity	30 min/day (<i>justification: Imported Scenario settings from file: AISE_Ilusesandexposures021109 Expodauer in Minuten pro Tag.xls</i>)
Other given operational conditions affecting workers exposure	Work is carried out outdoors
Technical conditions and measures to control dispersion and exposure	
Conditions and measures related to personal protection, hygiene and health evaluation	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.46.1.3 Contributing Scenario (3) controlling industrial worker exposure for PROC 4

Industrial use of Vehicle cleaning Products Aeroplane cleaner; Semi-Automatic process

Product characteristics	
Duration of activity	480 min/day (<i>justification: Imported Scenario settings from file: AISE_Ilusesandexposures021109 Expodauer in Minuten pro Tag.xls</i>)
Other given operational conditions affecting workers exposure	Work is carried out outdoors
Technical conditions and measures to control dispersion and exposure	
Conditions and measures related to personal protection, hygiene and health evaluation	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.46.1.4 Contributing Scenario (4) controlling industrial worker exposure for PROC 8A

Industrial use of Vehicle cleaning Products Aeroplane cleaner; Semi-Automatic process

Product characteristics	
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Duration of activity	30 min/day (<i>justification: Imported Scenario settings from file: AISE_IIusesandexposures021109 Expodauer in Minuten pro Tag.xls</i>)
Other given operational conditions affecting workers exposure	Work is carried out indoors
Technical conditions and measures to control dispersion and exposure	
Conditions and measures related to personal protection, hygiene and health evaluation	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.46.1.5 Contributing Scenario (5) controlling industrial worker exposure for PROC 4

Industrial use of Vehicle cleaning Products Aeroplane cleaner; Semi-Automatic process

Product characteristics	
Duration of activity	480 min/day (<i>justification: Imported Scenario settings from file: AISE_IIusesandexposures021109 Expodauer in Minuten pro Tag.xls</i>)
Other given operational conditions affecting workers exposure	Work is carried out indoors
Technical conditions and measures to control dispersion and exposure	
Conditions and measures related to personal protection, hygiene and health evaluation	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.47 Scenario 47: Industrial use of Vehicle cleaning Products Train cleaner; Semi-Automatic process

This scenario is described by the following combinations of use descriptors. The corresponding contributing scenarios are described in the respective subchapters.

ERC	PROC	PC
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ERC	PROC	PC
ERC4	PROC 8A, PROC 4	PC 35

9.47.1 Exposure Scenario

An overall exposure scenario may be described by a number of contributing scenarios which may be subdivided into environmental exposure, worker exposure and consumer exposure.

The following scenarios contribute to the scenario *Industrial use of Vehicle cleaning Products Train cleaner; Semi-Automatic process*.

The corresponding release to the environment, exposure of workers and consumers resulting from these contributing scenarios is summarized in chapter 10.47 ff.

9.47.1.1 Contributing Scenario (1) controlling environmental exposure for ERC4 *Industrial use of Vehicle cleaning Products Train cleaner; Semi-Automatic process*

Amounts used	100 to per year
Release times per year	20
Environmental factors not influenced by risk management	River flow rate: 18000 m ³ /day
Other given operational conditions affecting environmental exposure	release to: air: 0,1%, water: 100%, soil: 0%; fraction used at main source: 5%; fraction tonnage to region: 10%
Technical onsite conditions and measures to reduce or limit discharges, air emissions and releases to soil	spERC: Industrial use AISE, local release
Conditions and measures related to municipal sewage treatment plant	Municipal sewage treatment plant discharge: 2000000 L/day

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 3, Annex I.3 and Annex II.2.

9.47.1.2 Contributing Scenario (2) controlling industrial worker exposure for PROC 8A

Industrial use of Vehicle cleaning Products Train cleaner; Semi-Automatic process

Product characteristics	
Duration of activity	30 min/day (<i>justification: Imported Scenario settings from file: AISE_IIusesandexposures021109 Expodauer in Minuten pro Tag.xls</i>)
Other given operational conditions affecting workers exposure	Work is carried out outdoors

Technical conditions and measures to control dispersion and exposure	
Conditions and measures related to personal protection, hygiene and health evaluation	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.47.1.3 Contributing Scenario (3) controlling industrial worker exposure for PROC 4

Industrial use of Vehicle cleaning Products Train cleaner; Semi-Automatic process

Product characteristics	
Duration of activity	480 min/day (<i>justification: Imported Scenario settings from file: AISE_Ilusesandexposures021109 Expodauer in Minuten pro Tag.xls</i>)
Other given operational conditions affecting workers exposure	Work is carried out indoors
Technical conditions and measures to control dispersion and exposure	
Conditions and measures related to personal protection, hygiene and health evaluation	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.47.1.4 Contributing Scenario (4) controlling industrial worker exposure for PROC 4

Industrial use of Vehicle cleaning Products Train cleaner; Semi-Automatic process

Product characteristics	
Duration of activity	480 min/day (<i>justification: Imported Scenario settings from file: AISE_Ilusesandexposures021109 Expodauer in Minuten pro Tag.xls</i>)
Other given operational conditions affecting workers exposure	Work is carried out outdoors
Technical conditions and measures to control dispersion and exposure	

Conditions and measures related to personal protection, hygiene and health evaluation	
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More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.47.1.5 Contributing Scenario (5) controlling industrial worker exposure for PROC 8A

Industrial use of Vehicle cleaning Products Train cleaner; Semi-Automatic process

Product characteristics	
Duration of activity	30 min/day (<i>justification: Imported Scenario settings from file: AISE_Ilusesandexposures021109 Expodauer in Minuten pro Tag.xls</i>)
Other given operational conditions affecting workers exposure	Work is carried out indoors
Technical conditions and measures to control dispersion and exposure	
Conditions and measures related to personal protection, hygiene and health evaluation	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.48 Scenario 48: Industrial use of Water treatment Products Preservation and sanitation agent ; Drink and pool water

This scenario is described by the following combinations of use descriptors. The corresponding contributing scenarios are described in the respective subchapters.

ERC	PROC	PC
ERC4	PROC 8B, PROC 4	PC 35

9.48.1 Exposure Scenario

An overall exposure scenario may be described by a number of contributing scenarios which may be subdivided into environmental exposure, worker exposure and consumer exposure.

The following scenarios contribute to the scenario *Industrial use of Water treatment Products Preservation and sanitation agent ; Drink and pool water*.

The corresponding release to the environment, exposure of workers and consumers

resulting from these contributing scenarios is summarized in chapter 10.48 ff.

9.48.1.1 Contributing Scenario (1) controlling environmental exposure for ERC4
Industrial use of Water treatment Products Preservation and sanitation agent ; Drink and pool water

Amounts used	100 to per year
Release times per year	20
Environmental factors not influenced by risk management	River flow rate: 18000 m ³ /day
Other given operational conditions affecting environmental exposure	release to: air: 0,1%, water: 100%, soil: 0%; fraction used at main source: 5%; fraction tonnage to region: 10%
Technical onsite conditions and measures to reduce or limit discharges, air emissions and releases to soil	spERC: Industrial use AISE, local release
Conditions and measures related to municipal sewage treatment plant	Municipal sewage treatment plant discharge: 2000000 L/day

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 3, Annex I.3 and Annex II.2.

9.48.1.2 Contributing Scenario (2) controlling industrial worker exposure for PROC 8B

Industrial use of Water treatment Products Preservation and sanitation agent ; Drink and pool water

Product characteristics	
Duration of activity	10 min/day (<i>justification: Imported Scenario settings from file: AISE_IIusesandexposures021109 Expodauer in Minuten pro Tag.xls</i>)
Other given operational conditions affecting workers exposure	Work is carried out outdoors
Technical conditions and measures to control dispersion and exposure	
Conditions and measures related to personal protection, hygiene and health evaluation	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.48.1.3 Contributing Scenario (3) controlling industrial worker exposure for

PROC 4

Industrial use of Water treatment Products Preservation and sanitation agent ; Drink and pool water

Product characteristics	
Duration of activity	480 min/day (<i>justification: Imported Scenario settings from file: AISE_Ilusesandexposures021109 Expodauer in Minuten pro Tag.xls</i>)
Other given operational conditions affecting workers exposure	Work is carried out outdoors
Technical conditions and measures to control dispersion and exposure	
Conditions and measures related to personal protection, hygiene and health evaluation	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.49 Scenario 49: Industrial use of Water treatment Products Preservation and sanitation agent ; Process water

This scenario is described by the following combinations of use descriptors. The corresponding contributing scenarios are described in the respective subchapters.

ERC	PROC	PC
ERC4	PROC 4, PROC 8B	PC 35

9.49.1 Exposure Scenario

An overall exposure scenario may be described by a number of contributing scenarios which may be subdivided into environmental exposure, worker exposure and consumer exposure.

The following scenarios contribute to the scenario *Industrial use of Water treatment Products Preservation and sanitation agent ; Process water*.

The corresponding release to the environment, exposure of workers and consumers resulting from these contributing scenarios is summarized in chapter 10.49 ff.

9.49.1.1 Contributing Scenario (1) controlling environmental exposure for ERC4

Industrial use of Water treatment Products Preservation and sanitation agent ; Process water

Amounts used	100 to per year
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Release times per year	20
Environmental factors not influenced by risk management	River flow rate: 18000 m ³ /day
Other given operational conditions affecting environmental exposure	release to: air: 0,1%, water: 100%, soil: 0%; fraction used at main source: 5%; fraction tonnage to region: 10%
Technical onsite conditions and measures to reduce or limit discharges, air emissions and releases to soil	spERC: Industrial use AISE, local release
Conditions and measures related to municipal sewage treatment plant	Municipal sewage treatment plant discharge: 2000000 L/day

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 3, Annex I.3 and Annex II.2.

9.49.1.2 Contributing Scenario (2) controlling industrial worker exposure for PROC 4

Industrial use of Water treatment Products Preservation and sanitation agent ; Process water

Product characteristics	
Duration of activity	480 min/day (<i>justification: Imported Scenario settings from file: AISE_Ilusesandexposures021109 Expodauer in Minuten pro Tag.xls</i>)
Other given operational conditions affecting workers exposure	Work is carried out outdoors
Technical conditions and measures to control dispersion and exposure	
Conditions and measures related to personal protection, hygiene and health evaluation	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.49.1.3 Contributing Scenario (3) controlling industrial worker exposure for PROC 8B

Industrial use of Water treatment Products Preservation and sanitation agent ; Process water

Product characteristics	
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Duration of activity	10 min/day (<i>justification: Imported Scenario settings from file: AISE_Ilusesandexposures021109 Expodauer in Minuten pro Tag.xls</i>)
Other given operational conditions affecting workers exposure	Work is carried out outdoors
Technical conditions and measures to control dispersion and exposure	
Conditions and measures related to personal protection, hygiene and health evaluation	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.50 Scenario 50: Industrial use of Water treatment Products Sanitation agent; Wasre water

This scenario is described by the following combinations of use descriptors. The corresponding contributing scenarios are described in the respective subchapters.

ERC	PROC	PC
ERC4	PROC 4, PROC 8A	PC 35

9.50.1 Exposure Scenario

An overall exposure scenario may be described by a number of contributing scenarios which may be subdivided into environmental exposure, worker exposure and consumer exposure.

The following scenarios contribute to the scenario *Industrial use of Water treatment Products Sanitation agent; Wasre water*.

The corresponding release to the environment, exposure of workers and consumers resulting from these contributing scenarios is summarized in chapter 10.50 ff.

9.50.1.1 Contributing Scenario (1) controlling environmental exposure for ERC4 *Industrial use of Water treatment Products Sanitation agent; Wasre water*

Amounts used	100 to per year
Release times per year	20
Environmental factors not influenced by risk management	River flow rate: 18000 m ³ /day
Other given operational conditions affecting environmental exposure	release to: air: 0,1%, water: 100%, soil: 0%; fraction used at main source: 5%; fraction tonnage to region: 10%

Technical onsite conditions and measures to reduce or limit discharges, air emissions and releases to soil	spERC: Industrial use AISE, local release
Conditions and measures related to municipal sewage treatment plant	Municipal sewage treatment plant discharge: 2000000 L/day

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 3, Annex I.3 and Annex II.2.

9.50.1.2 Contributing Scenario (2) controlling industrial worker exposure for PROC 4

Industrial use of Water treatment Products Sanitation agent; Wasre water

Product characteristics	
Duration of activity	480 min/day (<i>justification: Imported Scenario settings from file: AISE_Ilusesandexposures021109 Expodauer in Minuten pro Tag.xls</i>)
Other given operational conditions affecting workers exposure	Work is carried out outdoors
Technical conditions and measures to control dispersion and exposure	
Conditions and measures related to personal protection, hygiene and health evaluation	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.50.1.3 Contributing Scenario (3) controlling industrial worker exposure for PROC 8A

Industrial use of Water treatment Products Sanitation agent; Wasre water

Product characteristics	
Duration of activity	10 min/day (<i>justification: Imported Scenario settings from file: AISE_Ilusesandexposures021109 Expodauer in Minuten pro Tag.xls</i>)
Other given operational conditions affecting workers exposure	Work is carried out outdoors
Technical conditions and measures to control dispersion and exposure	

Conditions and measures related to personal protection, hygiene and health evaluation	
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More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.51 Scenario 51: LAUNDRY ADDITIVES (powder bleach, liquid bleach, tablet) for consumer use

This scenario is described by the following combinations of use descriptors. The corresponding contributing scenarios are described in the respective subchapters.

ERC	PROC	PC
ERC11B		PC 35

9.51.1 Exposure Scenario

An overall exposure scenario may be described by a number of contributing scenarios which may be subdivided into environmental exposure, worker exposure and consumer exposure.

The following scenarios contribute to the scenario *LAUNDRY ADDITIVES (powder bleach, liquid bleach, tablet) for consumer use*.

The corresponding release to the environment, exposure of workers and consumers resulting from these contributing scenarios is summarized in chapter 10.51 ff.

9.51.1.1 Contributing Scenario (1) controlling environmental exposure for ERC11B

LAUNDRY ADDITIVES (powder bleach, liquid bleach, tablet) for consumer use

Amounts used	100 to per year
Release times per year	365
Environmental factors not influenced by risk management	River flow rate: 18000 m ³ /day
Other given operational conditions affecting environmental exposure	release to: air: 0%, water: 100%, soil: 0%; fraction used at main source: 0,01%; fraction tonnage to region: 10%
Technical onsite conditions and measures to reduce or limit discharges, air emissions and releases to soil	spERC: Consumer use, wide dispersive detergents
Conditions and measures related to municipal sewage treatment plant	Municipal sewage treatment plant discharge: 2000000 L/day

More details on the individual use conditions, applied algorithms and default values

of this scenario are summarized in the attached EasyTRA report under chapters 3, Annex I.3 and Annex II.2.

9.51.1.2 Contributing Scenario (2) controlling consumer exposure for PC 35 LAUNDRY ADDITIVES (powder bleach, liquid bleach, tablet) for consumer use

Product characteristics	
Product subcategory	Laundry and dish washing products
Amount used per application	70 g; product ingredient fraction by weight: dermal: 60%, inhalation: 60%
Frequency of use	150 times/year; exposure time: 1 h
Human factors not influenced by risk management	skin surface area dermal: fingertips
Other given operational conditions affecting consumers exposure	Room volume: 20 m ³
Conditions and measures related to personal protection and hygiene	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.2, Annex I.2.2 and Annex II.1.2.

9.52 Scenario 52: LAUNDRY AIDS (ironing aids-starch spray, ironing aids-other) for consumer use

This scenario is described by the following combinations of use descriptors. The corresponding contributing scenarios are described in the respective subchapters.

ERC	PROC	PC
ERC11B		PC 35

9.52.1 Exposure Scenario

An overall exposure scenario may be described by a number of contributing scenarios which may be subdivided into environmental exposure, worker exposure and consumer exposure.

The following scenarios contribute to the scenario *LAUNDRY AIDS (ironing aids-starch spray, ironing aids-other) for consumer use*.

The corresponding release to the environment, exposure of workers and consumers resulting from these contributing scenarios is summarized in chapter 10.52 ff.

9.52.1.1 Contributing Scenario (1) controlling environmental exposure for ERC11B

LAUNDRY AIDS (ironing aids-starch spray, ironing aids-other) for consumer use

Amounts used	100 to per year
Release times per year	365
Environmental factors not influenced by risk management	River flow rate: 18000 m ³ /day
Other given operational conditions affecting environmental exposure	release to: air: 0%, water: 100%, soil: 0%; fraction used at main source: 0,01%; fraction tonnage to region: 10%
Technical onsite conditions and measures to reduce or limit discharges, air emissions and releases to soil	spERC: Consumer use, wide dispersive detergents
Conditions and measures related to municipal sewage treatment plant	Municipal sewage treatment plant discharge: 2000000 L/day

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 3, Annex I.3 and Annex II.2.

9.52.1.2 Contributing Scenario (2) controlling consumer exposure for PC 35 LAUNDRY AIDS (*ironing aids-starch spray, ironing aids-other*) for consumer use

Product characteristics	spray application
Product subcategory	Laundry and dish washing products
Amount used per application	10 g; product ingredient fraction by weight: dermal: 60%, inhalation: 60%
Frequency of use	100 times/year; exposure time: 1 h
Human factors not influenced by risk management	skin surface area dermal: fingertips
Other given operational conditions affecting consumers exposure	Room volume: 20 m ³ ; spray application
Conditions and measures related to personal protection and hygiene	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.2, Annex I.2.2 and Annex II.1.2.

9.53 Scenario 53: LAUNDRY COMPACT (powder, liquid/gel, tablet) for consumer use

This scenario is described by the following combinations of use descriptors. The corresponding contributing scenarios are described in the respective subchapters.

ERC	PROC	PC
ERC11B		PC 35

9.53.1 Exposure Scenario

An overall exposure scenario may be described by a number of contributing scenarios which may be subdivided into environmental exposure, worker exposure and consumer exposure.

The following scenarios contribute to the scenario *LAUNDRY COMPACT (powder, liquid/gel, tablet) for consumer use*.

The corresponding release to the environment, exposure of workers and consumers resulting from these contributing scenarios is summarized in chapter 10.53 ff.

9.53.1.1 Contributing Scenario (1) controlling environmental exposure for ERC11B

LAUNDRY COMPACT (powder, liquid/gel, tablet) for consumer use

Amounts used	100 to per year
Release times per year	365
Environmental factors not influenced by risk management	River flow rate: 18000 m ³ /day
Other given operational conditions affecting environmental exposure	release to: air: 0%, water: 100%, soil: 0%; fraction used at main source: 0,01%; fraction tonnage to region: 10%
Technical onsite conditions and measures to reduce or limit discharges, air emissions and releases to soil	spERC: Consumer use, wide dispersive detergents
Conditions and measures related to municipal sewage treatment plant	Municipal sewage treatment plant discharge: 2000000 L/day

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 3, Annex I.3 and Annex II.2.

9.53.1.2 Contributing Scenario (2) controlling consumer exposure for PC 35

LAUNDRY COMPACT (powder, liquid/gel, tablet) for consumer use

Product characteristics	
Product subcategory	Laundry and dish washing products
Amount used per application	90 g; product ingredient fraction by weight: dermal: 60%, inhalation: 60%
Frequency of use	200 times/year; exposure time: 1 h
Human factors not influenced by risk management	skin surface area dermal: fingertips
Other given operational conditions affecting consumers exposure	Room volume: 20 m ³

Conditions and measures related to personal protection and hygiene	
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More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.2, Annex I.2.2 and Annex II.1.2.

9.54 Scenario 54: LAUNDRY REGULAR (powder, liquid) for consumer use

This scenario is described by the following combinations of use descriptors. The corresponding contributing scenarios are described in the respective subchapters.

ERC	PROC	PC
ERC11B		PC 12

9.54.1 Exposure Scenario

An overall exposure scenario may be described by a number of contributing scenarios which may be subdivided into environmental exposure, worker exposure and consumer exposure.

The following scenarios contribute to the scenario *LAUNDRY REGULAR (powder, liquid) for consumer use*.

The corresponding release to the environment, exposure of workers and consumers resulting from these contributing scenarios is summarized in chapter 10.54 ff.

9.54.1.1 Contributing Scenario (1) controlling environmental exposure for ERC11B

LAUNDRY REGULAR (powder, liquid) for consumer use

Amounts used	100 to per year
Release times per year	365
Environmental factors not influenced by risk management	River flow rate: 18000 m ³ /day
Other given operational conditions affecting environmental exposure	release to: air: 0%, water: 100%, soil: 0%; fraction used at main source: 0,01%; fraction tonnage to region: 10%
Technical onsite conditions and measures to reduce or limit discharges, air emissions and releases to soil	spERC: Consumer use, wide dispersive detergents
Conditions and measures related to municipal sewage treatment plant	Municipal sewage treatment plant discharge: 2000000 L/day

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 3, Annex I.3 and Annex II.2.

9.54.1.2 Contributing Scenario (2) controlling consumer exposure for PC 12
LAUNDRY REGULAR (powder, liquid) for consumer use

Product characteristics	
Product subcategory	Lawn and garden preparations
Amount used per application	- g; product ingredient fraction by weight: dermal: 50%, oral: 50%
Frequency of use	250 times/year
Human factors not influenced by risk management	skin surface area dermal: fingertips
Other given operational conditions affecting consumers exposure	
Conditions and measures related to personal protection and hygiene	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.2, Annex I.2.2 and Annex II.1.2.

9.55 Scenario 55: Laboratory Use Laboratory Reagents

This scenario is described by the following combinations of use descriptors. The corresponding contributing scenarios are described in the respective subchapters.

ERC	PROC	PC
ERC8A	PROC 15	PC 35

9.55.1 Exposure Scenario

An overall exposure scenario may be described by a number of contributing scenarios which may be subdivided into environmental exposure, worker exposure and consumer exposure.

The following scenarios contribute to the scenario *Laboratory Use Laboratory Reagents*.

The corresponding release to the environment, exposure of workers and consumers resulting from these contributing scenarios is summarized in chapter 10.55 ff.

9.55.1.1 Contributing Scenario (1) controlling environmental exposure for ERC8A

Laboratory Use Laboratory Reagents

Amounts used	100 to per year
Release times per year	365

Environmental factors not influenced by risk management	River flow rate: 18000 m ³ /day
Other given operational conditions affecting environmental exposure	release to: air: 0,1%, water: 100%, soil: 0%; fraction used at main source: 0,2%; fraction tonnage to region: 10%
Technical onsite conditions and measures to reduce or limit discharges, air emissions and releases to soil	spERC: Professional use, AISE, wide dispersive use
Conditions and measures related to municipal sewage treatment plant	Municipal sewage treatment plant discharge: 2000000 L/day

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 3, Annex I.3 and Annex II.2.

9.55.1.2 Contributing Scenario (2) controlling professional worker exposure for PROC 15

Laboratory Use Laboratory Reagents

Product characteristics	
Duration of activity	less than 15 mins
Other given operational conditions affecting workers exposure	Work is carried out indoors
Technical conditions and measures to control dispersion and exposure	local exhaust ventilation
Conditions and measures related to personal protection, hygiene and health evaluation	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.56 Scenario 56: MACHINE DISHWASHING (powder, liquid, tablet) for consumer use

This scenario is described by the following combinations of use descriptors. The corresponding contributing scenarios are described in the respective subchapters.

ERC	PROC	PC
ERC11B		PC 35

9.56.1 Exposure Scenario

An overall exposure scenario may be described by a number of contributing

scenarios which may be subdivided into environmental exposure, worker exposure and consumer exposure.

The following scenarios contribute to the scenario *MACHINE DISHWASHING (powder, liquid, tablet) for consumer use*.

The corresponding release to the environment, exposure of workers and consumers resulting from these contributing scenarios is summarized in chapter 10.56 ff.

9.56.1.1 Contributing Scenario (1) controlling environmental exposure for ERC11B

MACHINE DISHWASHING (powder, liquid, tablet) for consumer use

Amounts used	100 to per year
Release times per year	365
Environmental factors not influenced by risk management	River flow rate: 18000 m ³ /day
Other given operational conditions affecting environmental exposure	release to: air: 0%, water: 100%, soil: 0%; fraction used at main source: 0,01%; fraction tonnage to region: 10%
Technical onsite conditions and measures to reduce or limit discharges, air emissions and releases to soil	spERC: Consumer use, wide dispersive detergents
Conditions and measures related to municipal sewage treatment plant	Municipal sewage treatment plant discharge: 2000000 L/day

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 3, Annex I.3 and Annex II.2.

9.56.1.2 Contributing Scenario (2) controlling consumer exposure for PC 35

MACHINE DISHWASHING (powder, liquid, tablet) for consumer use

Product characteristics	
Product subcategory	Laundry and dish washing products
Amount used per application	50 g; product ingredient fraction by weight: dermal: 60%, inhalation: 60%
Frequency of use	250 times/year; exposure time: 1 h
Human factors not influenced by risk management	skin surface area dermal: fingertips
Other given operational conditions affecting consumers exposure	Room volume: 20 m ³
Conditions and measures related to personal protection and hygiene	

More details on the individual use conditions, applied algorithms and default values

of this scenario are summarized in the attached EasyTRA report under chapters 2.2, Annex I.2.2 and Annex II.1.2.

9.57 Scenario 57: OVEN CLEANERS (spray, trigger) for consumer use

This scenario is described by the following combinations of use descriptors. The corresponding contributing scenarios are described in the respective subchapters.

ERC	PROC	PC
ERC11B		PC 35

9.57.1 Exposure Scenario

An overall exposure scenario may be described by a number of contributing scenarios which may be subdivided into environmental exposure, worker exposure and consumer exposure.

The following scenarios contribute to the scenario *OVEN CLEANERS (spray, trigger) for consumer use*.

The corresponding release to the environment, exposure of workers and consumers resulting from these contributing scenarios is summarized in chapter 10.57 ff.

9.57.1.1 Contributing Scenario (1) controlling environmental exposure for ERC11B

OVEN CLEANERS (spray, trigger) for consumer use

Amounts used	100 to per year
Release times per year	365
Environmental factors not influenced by risk management	River flow rate: 18000 m ³ /day
Other given operational conditions affecting environmental exposure	release to: air: 0%, water: 100%, soil: 0%; fraction used at main source: 0,01%; fraction tonnage to region: 10%
Technical onsite conditions and measures to reduce or limit discharges, air emissions and releases to soil	spERC: Consumer use, wide dispersive detergents
Conditions and measures related to municipal sewage treatment plant	Municipal sewage treatment plant discharge: 2000000 L/day

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 3, Annex I.3 and Annex II.2.

9.57.1.2 Contributing Scenario (2) controlling consumer exposure for PC 35

OVEN CLEANERS (spray, trigger) for consumer use

Product characteristics	spray application
Product subcategory	Laundry and dish washing products
Amount used per application	0.200 g; product ingredient fraction by weight: dermal: 60%, inhalation: 60%
Frequency of use	50 times/year; exposure time: 1 h
Human factors not influenced by risk management	skin surface area dermal: fingertips
Other given operational conditions affecting consumers exposure	Room volume: 20 m ³ ; spray application
Conditions and measures related to personal protection and hygiene	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.2, Annex I.2.2 and Annex II.1.2.

9.58 Scenario 58: Professional Use of Dishwash products Dishwash product; Automatic process

This scenario is described by the following combinations of use descriptors. The corresponding contributing scenarios are described in the respective subchapters.

ERC	PROC	PC
ERC8A	PROC 8B, PROC 2	PC 35

9.58.1 Exposure Scenario

An overall exposure scenario may be described by a number of contributing scenarios which may be subdivided into environmental exposure, worker exposure and consumer exposure.

The following scenarios contribute to the scenario *Professional Use of Dishwash products Dishwash product; Automatic process*.

The corresponding release to the environment, exposure of workers and consumers resulting from these contributing scenarios is summarized in chapter 10.58 ff.

9.58.1.1 Contributing Scenario (1) controlling environmental exposure for ERC8A

Professional Use of Dishwash products Dishwash product; Automatic process

Amounts used	100 to per year
Release times per year	365
Environmental factors not influenced by risk management	River flow rate: 18000 m ³ /day

Other given operational conditions affecting environmental exposure	release to: air: 0,1%, water: 100%, soil: 0%; fraction used at main source: 0,2%; fraction tonnage to region: 10%
Technical onsite conditions and measures to reduce or limit discharges, air emissions and releases to soil	spERC: Professional use, AISE, wide dispersive use
Conditions and measures related to municipal sewage treatment plant	Municipal sewage treatment plant discharge: 2000000 L/day

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 3, Annex I.3 and Annex II.2.

9.58.1.2 Contributing Scenario (2) controlling professional worker exposure for PROC 8B

Professional Use of Dishwash products Dishwash product; Automatic process

Product characteristics	
Duration of activity	10 min/day (<i>justification: Imported Scenario settings from file: AISE_Ilusesandexposures021109 Expodauer in Minuten pro Tag.xls</i>)
Other given operational conditions affecting workers exposure	Work is carried out indoors
Technical conditions and measures to control dispersion and exposure	
Conditions and measures related to personal protection, hygiene and health evaluation	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.58.1.3 Contributing Scenario (3) controlling professional worker exposure for PROC 2

Professional Use of Dishwash products Dishwash product; Automatic process

Product characteristics	
Duration of activity	5 min/day (<i>justification: Imported Scenario settings from file: AISE_Ilusesandexposures021109 Expodauer in Minuten pro Tag.xls</i>)
Other given operational conditions affecting workers exposure	Work is carried out indoors

Technical conditions and measures to control dispersion and exposure	
Conditions and measures related to personal protection, hygiene and health evaluation	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.59 Scenario 59: Professional Use of Dishwash products Dishwash product; Manual process

This scenario is described by the following combinations of use descriptors. The corresponding contributing scenarios are described in the respective subchapters.

ERC	PROC	PC
ERC8A	PROC 10, PROC 8A	PC 35

9.59.1 Exposure Scenario

An overall exposure scenario may be described by a number of contributing scenarios which may be subdivided into environmental exposure, worker exposure and consumer exposure.

The following scenarios contribute to the scenario *Professional Use of Dishwash products Dishwash product; Manual process*.

The corresponding release to the environment, exposure of workers and consumers resulting from these contributing scenarios is summarized in chapter 10.59 ff.

9.59.1.1 Contributing Scenario (1) controlling environmental exposure for ERC8A

Professional Use of Dishwash products Dishwash product; Manual process

Amounts used	100 to per year
Release times per year	365
Environmental factors not influenced by risk management	River flow rate: 18000 m ³ /day
Other given operational conditions affecting environmental exposure	release to: air: 0,1%, water: 100%, soil: 0%; fraction used at main source: 0,2%; fraction tonnage to region: 10%
Technical onsite conditions and measures to reduce or limit discharges, air emissions and releases to soil	spERC: Professional use, AISE, wide dispersive use
Conditions and measures related to municipal sewage treatment plant	Municipal sewage treatment plant discharge: 2000000 L/day

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 3, Annex I.3 and Annex II.2.

9.59.1.2 Contributing Scenario (2) controlling professional worker exposure for PROC 10

Professional Use of Dishwash products Dishwash product; Manual process

Product characteristics	
Duration of activity	480 min/day (<i>justification: Imported Scenario settings from file: AISE_Ilusesandexposures021109 Expodauer in Minuten pro Tag.xls</i>)
Other given operational conditions affecting workers exposure	Work is carried out indoors
Technical conditions and measures to control dispersion and exposure	
Conditions and measures related to personal protection, hygiene and health evaluation	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.59.1.3 Contributing Scenario (3) controlling professional worker exposure for PROC 8A

Professional Use of Dishwash products Dishwash product; Manual process

Product characteristics	
Duration of activity	8 min/day (<i>justification: Imported Scenario settings from file: AISE_Ilusesandexposures021109 Expodauer in Minuten pro Tag.xls</i>)
Other given operational conditions affecting workers exposure	Work is carried out indoors
Technical conditions and measures to control dispersion and exposure	
Conditions and measures related to personal protection, hygiene and health evaluation	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.60 Scenario 60: Professional Use of Dishwash products Dishwash product; Semi-Automatic process

This scenario is described by the following combinations of use descriptors. The corresponding contributing scenarios are described in the respective subchapters.

ERC	PROC	PC
ERC8A	PROC 8A, PROC 1	PC 35

9.60.1 Exposure Scenario

An overall exposure scenario may be described by a number of contributing scenarios which may be subdivided into environmental exposure, worker exposure and consumer exposure.

The following scenarios contribute to the scenario *Professional Use of Dishwash products Dishwash product; Semi-Automatic process*.

The corresponding release to the environment, exposure of workers and consumers resulting from these contributing scenarios is summarized in chapter 10.60 ff.

9.60.1.1 Contributing Scenario (1) controlling environmental exposure for ERC8A

Professional Use of Dishwash products Dishwash product; Semi-Automatic process

Amounts used	100 to per year
Release times per year	365
Environmental factors not influenced by risk management	River flow rate: 18000 m ³ /day
Other given operational conditions affecting environmental exposure	release to: air: 0,1%, water: 100%, soil: 0%; fraction used at main source: 0,2%; fraction tonnage to region: 10%
Technical onsite conditions and measures to reduce or limit discharges, air emissions and releases to soil	spERC: Professional use, AISE, wide dispersive use
Conditions and measures related to municipal sewage treatment plant	Municipal sewage treatment plant discharge: 2000000 L/day

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 3, Annex I.3 and Annex II.2.

9.60.1.2 Contributing Scenario (2) controlling professional worker exposure for PROC 8A

Professional Use of Dishwash products Dishwash product; Semi-Automatic process

Product characteristics	
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Duration of activity	10 min/day (<i>justification: Imported Scenario settings from file: AISE_Ilusesandexposures021109 Expodauer in Minuten pro Tag.xls</i>)
Other given operational conditions affecting workers exposure	Work is carried out indoors
Technical conditions and measures to control dispersion and exposure	
Conditions and measures related to personal protection, hygiene and health evaluation	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.60.1.3 Contributing Scenario (3) controlling professional worker exposure for PROC 1

Professional Use of Dishwash products Dishwash product; Semi-Automatic process

Product characteristics	
Duration of activity	less than 15 mins
Other given operational conditions affecting workers exposure	Work is carried out indoors
Technical conditions and measures to control dispersion and exposure	
Conditions and measures related to personal protection, hygiene and health evaluation	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.61 Scenario 61: Professional Use of Dishwash products Rinse aid; Automatic process

This scenario is described by the following combinations of use descriptors. The corresponding contributing scenarios are described in the respective subchapters.

ERC	PROC	PC
ERC8A	PROC 2, PROC 8B	PC 35

9.61.1 Exposure Scenario

An overall exposure scenario may be described by a number of contributing scenarios which may be subdivided into environmental exposure, worker exposure and consumer exposure.

The following scenarios contribute to the scenario *Professional Use of Dishwash products Rinse aid; Automatic process*.

The corresponding release to the environment, exposure of workers and consumers resulting from these contributing scenarios is summarized in chapter 10.61 ff.

9.61.1.1 Contributing Scenario (1) controlling environmental exposure for ERC8A

Professional Use of Dishwash products Rinse aid; Automatic process

Amounts used	100 to per year
Release times per year	365
Environmental factors not influenced by risk management	River flow rate: 18000 m ³ /day
Other given operational conditions affecting environmental exposure	release to: air: 0,1%, water: 100%, soil: 0%; fraction used at main source: 0,2%; fraction tonnage to region: 10%
Technical onsite conditions and measures to reduce or limit discharges, air emissions and releases to soil	spERC: Professional use, AISE, wide dispersive use
Conditions and measures related to municipal sewage treatment plant	Municipal sewage treatment plant discharge: 2000000 L/day

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 3, Annex I.3 and Annex II.2.

9.61.1.2 Contributing Scenario (2) controlling professional worker exposure for PROC 2

Professional Use of Dishwash products Rinse aid; Automatic process

Product characteristics	
Duration of activity	5 min/day (<i>justification: Imported Scenario settings from file: AISE_IIusesandexposures021109 Expodauer in Minuten pro Tag.xls</i>)
Other given operational conditions affecting workers exposure	Work is carried out indoors
Technical conditions and measures to control dispersion and exposure	
Conditions and measures related to personal protection, hygiene and health evaluation	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.61.1.3 Contributing Scenario (3) controlling professional worker exposure for PROC 8B

Professional Use of Dishwash products Rinse aid; Automatic process

Product characteristics	
Duration of activity	10 min/day (<i>justification: Imported Scenario settings from file: AISE_Ilusesandexposures021109 Expodauer in Minuten pro Tag.xls</i>)
Other given operational conditions affecting workers exposure	Work is carried out indoors
Technical conditions and measures to control dispersion and exposure	
Conditions and measures related to personal protection, hygiene and health evaluation	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.62 Scenario 62: Professional Use of Façade/surface Cleaning Products Façade/surface cleaner; High pressure process

This scenario is described by the following combinations of use descriptors. The corresponding contributing scenarios are described in the respective subchapters.

ERC	PROC	PC
ERC8A	PROC 7, PROC 8A	PC 35

9.62.1 Exposure Scenario

An overall exposure scenario may be described by a number of contributing scenarios which may be subdivided into environmental exposure, worker exposure and consumer exposure.

The following scenarios contribute to the scenario *Professional Use of Façade/surface Cleaning Products Façade/surface cleaner; High pressure process*.

The corresponding release to the environment, exposure of workers and consumers resulting from these contributing scenarios is summarized in chapter 10.62 ff.

9.62.1.1 Contributing Scenario (1) controlling environmental exposure for

ERC8A

Professional Use of Façade/surface Cleaning Products Façade/surface cleaner; High pressure process

Amounts used	100 to per year
Release times per year	365
Environmental factors not influenced by risk management	River flow rate: 18000 m ³ /day
Other given operational conditions affecting environmental exposure	release to: air: 0,1%, water: 100%, soil: 0%; fraction used at main source: 0,2%; fraction tonnage to region: 10%
Technical onsite conditions and measures to reduce or limit discharges, air emissions and releases to soil	spERC: Professional use, AISE, wide dispersive use
Conditions and measures related to municipal sewage treatment plant	Municipal sewage treatment plant discharge: 2000000 L/day

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 3, Annex I.3 and Annex II.2.

9.62.1.2 Contributing Scenario (2) controlling professional worker exposure for PROC 7

Professional Use of Façade/surface Cleaning Products Façade/surface cleaner; High pressure process

Product characteristics	
Duration of activity	480 min/day (<i>justification: Imported Scenario settings from file: AISE_Ilusesandexposures021109 Expodauer in Minuten pro Tag.xls</i>)
Other given operational conditions affecting workers exposure	Work is carried out outdoors
Technical conditions and measures to control dispersion and exposure	
Conditions and measures related to personal protection, hygiene and health evaluation	respiratory protection: 90%

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.62.1.3 Contributing Scenario (3) controlling professional worker exposure for PROC 8A

Professional Use of Façade/surface Cleaning Products Façade/surface cleaner; High

pressure process

Product characteristics	
Duration of activity	10 min/day (<i>justification: Imported Scenario settings from file: AISE_Ilusesandexposures021109 Expodauer in Minuten pro Tag.xls</i>)
Other given operational conditions affecting workers exposure	Work is carried out outdoors
Technical conditions and measures to control dispersion and exposure	
Conditions and measures related to personal protection, hygiene and health evaluation	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.63 Scenario 63: Professional Use of Façade/surface Cleaning Products Façade/surface cleaner; Medium pressure process

This scenario is described by the following combinations of use descriptors. The corresponding contributing scenarios are described in the respective subchapters.

ERC	PROC	PC
ERC8A	PROC 11, PROC 8A	PC 35

9.63.1 Exposure Scenario

An overall exposure scenario may be described by a number of contributing scenarios which may be subdivided into environmental exposure, worker exposure and consumer exposure.

The following scenarios contribute to the scenario *Professional Use of Façade/surface Cleaning Products Façade/surface cleaner; Medium pressure process*.

The corresponding release to the environment, exposure of workers and consumers resulting from these contributing scenarios is summarized in chapter 10.63 ff.

9.63.1.1 Contributing Scenario (1) controlling environmental exposure for ERC8A

Professional Use of Façade/surface Cleaning Products Façade/surface cleaner; Medium pressure process

Amounts used	100 to per year
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Release times per year	365
Environmental factors not influenced by risk management	River flow rate: 18000 m ³ /day
Other given operational conditions affecting environmental exposure	release to: air: 0,1%, water: 100%, soil: 0%; fraction used at main source: 0,2%; fraction tonnage to region: 10%
Technical onsite conditions and measures to reduce or limit discharges, air emissions and releases to soil	spERC: Professional use, AISE, wide dispersive use
Conditions and measures related to municipal sewage treatment plant	Municipal sewage treatment plant discharge: 2000000 L/day

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 3, Annex I.3 and Annex II.2.

9.63.1.2 Contributing Scenario (2) controlling professional worker exposure for PROC 11

Professional Use of Façade/surface Cleaning Products Façade/surface cleaner; Medium pressure process

Product characteristics	
Duration of activity	480 min/day (<i>justification: Imported Scenario settings from file: AISE_Ilusesandexposures021109 Expodauer in Minuten pro Tag.xls</i>)
Other given operational conditions affecting workers exposure	Work is carried out outdoors
Technical conditions and measures to control dispersion and exposure	
Conditions and measures related to personal protection, hygiene and health evaluation	respiratory protection: 90%

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.63.1.3 Contributing Scenario (3) controlling professional worker exposure for PROC 8A

Professional Use of Façade/surface Cleaning Products Façade/surface cleaner; Medium pressure process

Product characteristics	
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Duration of activity	10 min/day (<i>justification: Imported Scenario settings from file: AISE_Ilusesandexposures021109 Expodauer in Minuten pro Tag.xls</i>)
Other given operational conditions affecting workers exposure	Work is carried out outdoors
Technical conditions and measures to control dispersion and exposure	
Conditions and measures related to personal protection, hygiene and health evaluation	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.64 Scenario 64: Professional Use of Floor care products Carpet cleaner; Manual process

This scenario is described by the following combinations of use descriptors. The corresponding contributing scenarios are described in the respective subchapters.

ERC	PROC	PC
ERC8A	PROC 8A, PROC 10	PC 35

9.64.1 Exposure Scenario

An overall exposure scenario may be described by a number of contributing scenarios which may be subdivided into environmental exposure, worker exposure and consumer exposure.

The following scenarios contribute to the scenario *Professional Use of Floor care products Carpet cleaner; Manual process*.

The corresponding release to the environment, exposure of workers and consumers resulting from these contributing scenarios is summarized in chapter 10.64 ff.

9.64.1.1 Contributing Scenario (1) controlling environmental exposure for ERC8A

Professional Use of Floor care products Carpet cleaner; Manual process

Amounts used	100 to per year
Release times per year	365
Environmental factors not influenced by risk management	River flow rate: 18000 m ³ /day

Other given operational conditions affecting environmental exposure	release to: air: 0,1%, water: 100%, soil: 0%; fraction used at main source: 0,2%; fraction tonnage to region: 10%
Technical onsite conditions and measures to reduce or limit discharges, air emissions and releases to soil	spERC: Professional use, AISE, wide dispersive use
Conditions and measures related to municipal sewage treatment plant	Municipal sewage treatment plant discharge: 2000000 L/day

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 3, Annex I.3 and Annex II.2.

9.64.1.2 Contributing Scenario (2) controlling professional worker exposure for PROC 8A

Professional Use of Floor care products Carpet cleaner; Manual process

Product characteristics	
Duration of activity	20 min/day (<i>justification: Imported Scenario settings from file: AISE_Ilusesandexposures021109 Expodauer in Minuten pro Tag.xls</i>)
Other given operational conditions affecting workers exposure	Work is carried out indoors
Technical conditions and measures to control dispersion and exposure	
Conditions and measures related to personal protection, hygiene and health evaluation	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.64.1.3 Contributing Scenario (3) controlling professional worker exposure for PROC 10

Professional Use of Floor care products Carpet cleaner; Manual process

Product characteristics	
Duration of activity	360 min/day (<i>justification: Imported Scenario settings from file: AISE_Ilusesandexposures021109 Expodauer in Minuten pro Tag.xls</i>)
Other given operational conditions affecting workers exposure	Work is carried out indoors

Technical conditions and measures to control dispersion and exposure	
Conditions and measures related to personal protection, hygiene and health evaluation	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.65 Scenario 65: Professional Use of Floor care products Carpet cleaner; Semi-Automatic process

This scenario is described by the following combinations of use descriptors. The corresponding contributing scenarios are described in the respective subchapters.

ERC	PROC	PC
ERC8A	PROC 10, PROC 8A	PC 35

9.65.1 Exposure Scenario

An overall exposure scenario may be described by a number of contributing scenarios which may be subdivided into environmental exposure, worker exposure and consumer exposure.

The following scenarios contribute to the scenario *Professional Use of Floor care products Carpet cleaner; Semi-Automatic process*.

The corresponding release to the environment, exposure of workers and consumers resulting from these contributing scenarios is summarized in chapter 10.65 ff.

9.65.1.1 Contributing Scenario (1) controlling environmental exposure for ERC8A

Professional Use of Floor care products Carpet cleaner; Semi-Automatic process

Amounts used	100 to per year
Release times per year	365
Environmental factors not influenced by risk management	River flow rate: 18000 m ³ /day
Other given operational conditions affecting environmental exposure	release to: air: 0,1%, water: 100%, soil: 0%; fraction used at main source: 0,2%; fraction tonnage to region: 10%
Technical onsite conditions and measures to reduce or limit discharges, air emissions and releases to soil	spERC: Professional use, AISE, wide dispersive use
Conditions and measures related to municipal sewage treatment plant	Municipal sewage treatment plant discharge: 2000000 L/day

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 3, Annex I.3 and Annex II.2.

9.65.1.2 Contributing Scenario (2) controlling professional worker exposure for PROC 10

Professional Use of Floor care products Carpet cleaner; Semi-Automatic process

Product characteristics	
Duration of activity	360 min/day (<i>justification: Imported Scenario settings from file: AISE_Ilusesandexposures021109 Expodauer in Minuten pro Tag.xls</i>)
Other given operational conditions affecting workers exposure	Work is carried out indoors
Technical conditions and measures to control dispersion and exposure	
Conditions and measures related to personal protection, hygiene and health evaluation	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.65.1.3 Contributing Scenario (3) controlling professional worker exposure for PROC 8A

Professional Use of Floor care products Carpet cleaner; Semi-Automatic process

Product characteristics	
Duration of activity	20 min/day (<i>justification: Imported Scenario settings from file: AISE_Ilusesandexposures021109 Expodauer in Minuten pro Tag.xls</i>)
Other given operational conditions affecting workers exposure	Work is carried out indoors
Technical conditions and measures to control dispersion and exposure	
Conditions and measures related to personal protection, hygiene and health evaluation	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.66 Scenario 66: Professional Use of Floor care products Carpet cleaner; Spray and brush manual process

This scenario is described by the following combinations of use descriptors. The corresponding contributing scenarios are described in the respective subchapters.

ERC	PROC	PC
ERC8A		

9.66.1 Exposure Scenario

An overall exposure scenario may be described by a number of contributing scenarios which may be subdivided into environmental exposure, worker exposure and consumer exposure.

The following scenarios contribute to the scenario *Professional Use of Floor care products Carpet cleaner; Spray and brush manual process*.

The corresponding release to the environment, exposure of workers and consumers resulting from these contributing scenarios is summarized in chapter 10.66 ff.

9.66.1.1 Contributing Scenario (1) controlling environmental exposure for ERC8A

Professional Use of Floor care products Carpet cleaner; Spray and brush manual process

Amounts used	100 to per year
Release times per year	365
Environmental factors not influenced by risk management	River flow rate: 18000 m ³ /day
Other given operational conditions affecting environmental exposure	release to: air: 0,1%, water: 100%, soil: 0%; fraction used at main source: 0,2%; fraction tonnage to region: 10%
Technical onsite conditions and measures to reduce or limit discharges, air emissions and releases to soil	spERC: Professional use, AISE, wide dispersive use
Conditions and measures related to municipal sewage treatment plant	Municipal sewage treatment plant discharge: 2000000 L/day

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 3, Annex I.3 and Annex II.2.

9.67 Scenario 67: Professional Use of Floor care products Floor cleaner; Manual process

This scenario is described by the following combinations of use descriptors. The

corresponding contributing scenarios are described in the respective subchapters.

ERC	PROC	PC
ERC8A	PROC 10, PROC 8A	PC 35

9.67.1 Exposure Scenario

An overall exposure scenario may be described by a number of contributing scenarios which may be subdivided into environmental exposure, worker exposure and consumer exposure.

The following scenarios contribute to the scenario *Professional Use of Floor care products Floor cleaner; Manual process*.

The corresponding release to the environment, exposure of workers and consumers resulting from these contributing scenarios is summarized in chapter 10.67 ff.

9.67.1.1 Contributing Scenario (1) controlling environmental exposure for ERC8A

Professional Use of Floor care products Floor cleaner; Manual process

Amounts used	100 to per year
Release times per year	365
Environmental factors not influenced by risk management	River flow rate: 18000 m ³ /day
Other given operational conditions affecting environmental exposure	release to: air: 0,1%, water: 100%, soil: 0%; fraction used at main source: 0,2%; fraction tonnage to region: 10%
Technical onsite conditions and measures to reduce or limit discharges, air emissions and releases to soil	spERC: Professional use, AISE, wide dispersive use
Conditions and measures related to municipal sewage treatment plant	Municipal sewage treatment plant discharge: 2000000 L/day

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 3, Annex I.3 and Annex II.2.

9.67.1.2 Contributing Scenario (2) controlling professional worker exposure for PROC 10

Professional Use of Floor care products Floor cleaner; Manual process

Product characteristics	
Duration of activity	480 min/day (<i>justification: Imported Scenario settings from file: AISE_IIusesandexposures021109 Expodauer in Minuten pro Tag.xls</i>)

Other given operational conditions affecting workers exposure	Work is carried out outdoors
Technical conditions and measures to control dispersion and exposure	
Conditions and measures related to personal protection, hygiene and health evaluation	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.67.1.3 Contributing Scenario (3) controlling professional worker exposure for PROC 10

Professional Use of Floor care products Floor cleaner; Manual process

Product characteristics	
Duration of activity	480 min/day (<i>justification: Imported Scenario settings from file: AISE_Ilusesandexposures021109 Expodauer in Minuten pro Tag.xls</i>)
Other given operational conditions affecting workers exposure	Work is carried out indoors
Technical conditions and measures to control dispersion and exposure	
Conditions and measures related to personal protection, hygiene and health evaluation	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.67.1.4 Contributing Scenario (4) controlling professional worker exposure for PROC 8A

Professional Use of Floor care products Floor cleaner; Manual process

Product characteristics	
Duration of activity	16 min/day (<i>justification: Imported Scenario settings from file: AISE_Ilusesandexposures021109 Expodauer in Minuten pro Tag.xls</i>)
Other given operational conditions affecting workers exposure	Work is carried out outdoors
Technical conditions and measures to control dispersion and exposure	

Conditions and measures related to personal protection, hygiene and health evaluation	
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More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.67.1.5 Contributing Scenario (5) controlling professional worker exposure for PROC 8A

Professional Use of Floor care products Floor cleaner; Manual process

Product characteristics	
Duration of activity	16 min/day (<i>justification: Imported Scenario settings from file: AISE_Ilusesandexposures021109 Expodauer in Minuten pro Tag.xls</i>)
Other given operational conditions affecting workers exposure	Work is carried out indoors
Technical conditions and measures to control dispersion and exposure	
Conditions and measures related to personal protection, hygiene and health evaluation	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.68 Scenario 68: Professional Use of Floor care products Floor cleaner; Semi-Automatic process

This scenario is described by the following combinations of use descriptors. The corresponding contributing scenarios are described in the respective subchapters.

ERC	PROC	PC
ERC8A	PROC 10, PROC 8A	PC 35

9.68.1 Exposure Scenario

An overall exposure scenario may be described by a number of contributing scenarios which may be subdivided into environmental exposure, worker exposure and consumer exposure.

The following scenarios contribute to the scenario *Professional Use of Floor care products Floor cleaner; Semi-Automatic process*.

The corresponding release to the environment, exposure of workers and consumers

resulting from these contributing scenarios is summarized in chapter 10.68 ff.

9.68.1.1 Contributing Scenario (1) controlling environmental exposure for ERC8A

Professional Use of Floor care products Floor cleaner; Semi-Automatic process

Amounts used	100 to per year
Release times per year	365
Environmental factors not influenced by risk management	River flow rate: 18000 m ³ /day
Other given operational conditions affecting environmental exposure	release to: air: 0,1%, water: 100%, soil: 0%; fraction used at main source: 0,2%; fraction tonnage to region: 10%
Technical onsite conditions and measures to reduce or limit discharges, air emissions and releases to soil	spERC: Professional use, AISE, wide dispersive use
Conditions and measures related to municipal sewage treatment plant	Municipal sewage treatment plant discharge: 2000000 L/day

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 3, Annex I.3 and Annex II.2.

9.68.1.2 Contributing Scenario (2) controlling professional worker exposure for PROC 10

Professional Use of Floor care products Floor cleaner; Semi-Automatic process

Product characteristics	
Duration of activity	480 min/day (<i>justification: Imported Scenario settings from file: AISE_Ilusesandexposures021109 Expodauer in Minuten pro Tag.xls</i>)
Other given operational conditions affecting workers exposure	Work is carried out indoors
Technical conditions and measures to control dispersion and exposure	
Conditions and measures related to personal protection, hygiene and health evaluation	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.68.1.3 Contributing Scenario (3) controlling professional worker exposure for PROC 8A

Professional Use of Floor care products Floor cleaner; Semi-Automatic process

Product characteristics	
Duration of activity	16 min/day (<i>justification: Imported Scenario settings from file: AISE_Ilusesandexposures021109 Expodauer in Minuten pro Tag.xls</i>)
Other given operational conditions affecting workers exposure	Work is carried out indoors
Technical conditions and measures to control dispersion and exposure	
Conditions and measures related to personal protection, hygiene and health evaluation	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.69 Scenario 69: Professional Use of Floor care products Floor cleaner; Spray and wipe manual process

This scenario is described by the following combinations of use descriptors. The corresponding contributing scenarios are described in the respective subchapters.

ERC	PROC	PC
ERC8A	PROC 8A, PROC 11	PC 35

9.69.1 Exposure Scenario

An overall exposure scenario may be described by a number of contributing scenarios which may be subdivided into environmental exposure, worker exposure and consumer exposure.

The following scenarios contribute to the scenario *Professional Use of Floor care products Floor cleaner; Spray and wipe manual process*.

The corresponding release to the environment, exposure of workers and consumers resulting from these contributing scenarios is summarized in chapter 10.69 ff.

9.69.1.1 Contributing Scenario (1) controlling environmental exposure for ERC8A

Professional Use of Floor care products Floor cleaner; Spray and wipe manual process

Amounts used	100 to per year
Release times per year	365

Environmental factors not influenced by risk management	River flow rate: 18000 m ³ /day
Other given operational conditions affecting environmental exposure	release to: air: 0,1%, water: 100%, soil: 0%; fraction used at main source: 0,2%; fraction tonnage to region: 10%
Technical onsite conditions and measures to reduce or limit discharges, air emissions and releases to soil	spERC: Professional use, AISE, wide dispersive use
Conditions and measures related to municipal sewage treatment plant	Municipal sewage treatment plant discharge: 2000000 L/day

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 3, Annex I.3 and Annex II.2.

9.69.1.2 Contributing Scenario (2) controlling professional worker exposure for PROC 8A

Professional Use of Floor care products Floor cleaner; Spray and wipe manual process

Product characteristics	
Duration of activity	16 min/day (<i>justification: Imported Scenario settings from file: AISE_Ilusesandexposures021109 Expodauer in Minuten pro Tag.xls</i>)
Other given operational conditions affecting workers exposure	Work is carried out indoors
Technical conditions and measures to control dispersion and exposure	
Conditions and measures related to personal protection, hygiene and health evaluation	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.69.1.3 Contributing Scenario (3) controlling professional worker exposure for PROC 11

Professional Use of Floor care products Floor cleaner; Spray and wipe manual process

Product characteristics	
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Duration of activity	480 min/day (<i>justification: Imported Scenario settings from file: AISE_Ilusesandexposures021109 Expodauer in Minuten pro Tag.xls</i>)
Other given operational conditions affecting workers exposure	Work is carried out indoors
Technical conditions and measures to control dispersion and exposure	
Conditions and measures related to personal protection, hygiene and health evaluation	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.70 Scenario 70: Professional Use of Floor care products Floor stripper; Manual process

This scenario is described by the following combinations of use descriptors. The corresponding contributing scenarios are described in the respective subchapters.

ERC	PROC	PC
ERC8A	PROC 8A, PROC 10	PC 35

9.70.1 Exposure Scenario

An overall exposure scenario may be described by a number of contributing scenarios which may be subdivided into environmental exposure, worker exposure and consumer exposure.

The following scenarios contribute to the scenario *Professional Use of Floor care products Floor stripper; Manual process*.

The corresponding release to the environment, exposure of workers and consumers resulting from these contributing scenarios is summarized in chapter 10.70 ff.

9.70.1.1 Contributing Scenario (1) controlling environmental exposure for ERC8A

Professional Use of Floor care products Floor stripper; Manual process

Amounts used	100 to per year
Release times per year	365
Environmental factors not influenced by risk management	River flow rate: 18000 m ³ /day

Other given operational conditions affecting environmental exposure	release to: air: 0,1%, water: 100%, soil: 0%; fraction used at main source: 0,2%; fraction tonnage to region: 10%
Technical onsite conditions and measures to reduce or limit discharges, air emissions and releases to soil	spERC: Professional use, AISE, wide dispersive use
Conditions and measures related to municipal sewage treatment plant	Municipal sewage treatment plant discharge: 2000000 L/day

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 3, Annex I.3 and Annex II.2.

9.70.1.2 Contributing Scenario (2) controlling professional worker exposure for PROC 8A

Professional Use of Floor care products Floor stripper; Manual process

Product characteristics	
Duration of activity	20 min/day (<i>justification: Imported Scenario settings from file: AISE_Ilusesandexposures021109 Expodauer in Minuten pro Tag.xls</i>)
Other given operational conditions affecting workers exposure	Work is carried out indoors
Technical conditions and measures to control dispersion and exposure	
Conditions and measures related to personal protection, hygiene and health evaluation	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.70.1.3 Contributing Scenario (3) controlling professional worker exposure for PROC 10

Professional Use of Floor care products Floor stripper; Manual process

Product characteristics	
Duration of activity	360 min/day (<i>justification: Imported Scenario settings from file: AISE_Ilusesandexposures021109 Expodauer in Minuten pro Tag.xls</i>)
Other given operational conditions affecting workers exposure	Work is carried out indoors

Technical conditions and measures to control dispersion and exposure	
Conditions and measures related to personal protection, hygiene and health evaluation	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.71 Scenario 71: Professional Use of Floor care products Floor stripper; Semi-Automatic process

This scenario is described by the following combinations of use descriptors. The corresponding contributing scenarios are described in the respective subchapters.

ERC	PROC	PC
ERC8A	PROC 10, PROC 8A	PC 35

9.71.1 Exposure Scenario

An overall exposure scenario may be described by a number of contributing scenarios which may be subdivided into environmental exposure, worker exposure and consumer exposure.

The following scenarios contribute to the scenario *Professional Use of Floor care products Floor stripper; Semi-Automatic process*.

The corresponding release to the environment, exposure of workers and consumers resulting from these contributing scenarios is summarized in chapter 10.71 ff.

9.71.1.1 Contributing Scenario (1) controlling environmental exposure for ERC8A

Professional Use of Floor care products Floor stripper; Semi-Automatic process

Amounts used	100 to per year
Release times per year	365
Environmental factors not influenced by risk management	River flow rate: 18000 m ³ /day
Other given operational conditions affecting environmental exposure	release to: air: 0,1%, water: 100%, soil: 0%; fraction used at main source: 0,2%; fraction tonnage to region: 10%
Technical onsite conditions and measures to reduce or limit discharges, air emissions and releases to soil	spERC: Professional use, AISE, wide dispersive use
Conditions and measures related to municipal sewage treatment plant	Municipal sewage treatment plant discharge: 2000000 L/day

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 3, Annex I.3 and Annex II.2.

9.71.1.2 Contributing Scenario (2) controlling professional worker exposure for PROC 10

Professional Use of Floor care products Floor stripper; Semi-Automatic process

Product characteristics	
Duration of activity	360 min/day (<i>justification: Imported Scenario settings from file: AISE_Ilusesandexposures021109 Expodauer in Minuten pro Tag.xls</i>)
Other given operational conditions affecting workers exposure	Work is carried out indoors
Technical conditions and measures to control dispersion and exposure	
Conditions and measures related to personal protection, hygiene and health evaluation	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.71.1.3 Contributing Scenario (3) controlling professional worker exposure for PROC 8A

Professional Use of Floor care products Floor stripper; Semi-Automatic process

Product characteristics	
Duration of activity	20 min/day (<i>justification: Imported Scenario settings from file: AISE_Ilusesandexposures021109 Expodauer in Minuten pro Tag.xls</i>)
Other given operational conditions affecting workers exposure	Work is carried out indoors
Technical conditions and measures to control dispersion and exposure	
Conditions and measures related to personal protection, hygiene and health evaluation	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.72 Scenario 72: Professional Use of Floor care products Polish / impregnating agent; Manual process

This scenario is described by the following combinations of use descriptors. The corresponding contributing scenarios are described in the respective subchapters.

ERC	PROC	PC
ERC8A	PROC 10	PC 35

9.72.1 Exposure Scenario

An overall exposure scenario may be described by a number of contributing scenarios which may be subdivided into environmental exposure, worker exposure and consumer exposure.

The following scenarios contribute to the scenario *Professional Use of Floor care products Polish / impregnating agent; Manual process*.

The corresponding release to the environment, exposure of workers and consumers resulting from these contributing scenarios is summarized in chapter 10.72 ff.

9.72.1.1 Contributing Scenario (1) controlling environmental exposure for ERC8A

Professional Use of Floor care products Polish / impregnating agent; Manual process

Amounts used	100 to per year
Release times per year	365
Environmental factors not influenced by risk management	River flow rate: 18000 m ³ /day
Other given operational conditions affecting environmental exposure	release to: air: 0,1%, water: 100%, soil: 0%; fraction used at main source: 0,2%; fraction tonnage to region: 10%
Technical onsite conditions and measures to reduce or limit discharges, air emissions and releases to soil	spERC: Professional use, AISE, wide dispersive use
Conditions and measures related to municipal sewage treatment plant	Municipal sewage treatment plant discharge: 2000000 L/day

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 3, Annex I.3 and Annex II.2.

9.72.1.2 Contributing Scenario (2) controlling professional worker exposure for PROC 10

Professional Use of Floor care products Polish / impregnating agent; Manual process

Product characteristics	
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Duration of activity	360 min/day (<i>justification: Imported Scenario settings from file: AISE_Ilusesandexposures021109 Expodauer in Minuten pro Tag.xls</i>)
Other given operational conditions affecting workers exposure	Work is carried out indoors
Technical conditions and measures to control dispersion and exposure	
Conditions and measures related to personal protection, hygiene and health evaluation	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.73 Scenario 73: Professional Use of Floor care products Polish / impregnating agent; Semi-Automatic process

This scenario is described by the following combinations of use descriptors. The corresponding contributing scenarios are described in the respective subchapters.

ERC	PROC	PC
ERC8A	PROC 10	PC 31

9.73.1 Exposure Scenario

An overall exposure scenario may be described by a number of contributing scenarios which may be subdivided into environmental exposure, worker exposure and consumer exposure.

The following scenarios contribute to the scenario *Professional Use of Floor care products Polish / impregnating agent; Semi-Automatic process*.

The corresponding release to the environment, exposure of workers and consumers resulting from these contributing scenarios is summarized in chapter 10.73 ff.

9.73.1.1 Contributing Scenario (1) controlling environmental exposure for ERC8A

Professional Use of Floor care products Polish / impregnating agent; Semi-Automatic process

Amounts used	100 to per year
Release times per year	365
Environmental factors not influenced by risk management	River flow rate: 18000 m ³ /day

Other given operational conditions affecting environmental exposure	release to: air: 0,1%, water: 100%, soil: 0%; fraction used at main source: 0,2%; fraction tonnage to region: 10%
Technical onsite conditions and measures to reduce or limit discharges, air emissions and releases to soil	spERC: Professional use, AISE, wide dispersive use
Conditions and measures related to municipal sewage treatment plant	Municipal sewage treatment plant discharge: 2000000 L/day

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 3, Annex I.3 and Annex II.2.

9.73.1.2 Contributing Scenario (2) controlling professional worker exposure for PROC 10

Professional Use of Floor care products Polish / impregnating agent; Semi-Automatic process

Product characteristics	
Duration of activity	360 min/day (<i>justification: Imported Scenario settings from file: AISE_IIusesandexposures021109 Expodauer in Minuten pro Tag.xls</i>)
Other given operational conditions affecting workers exposure	Work is carried out indoors
Technical conditions and measures to control dispersion and exposure	
Conditions and measures related to personal protection, hygiene and health evaluation	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.74 Scenario 74: Professional Use of Floor care products Polish / impregnating agent; Spray and wipe manual process

This scenario is described by the following combinations of use descriptors. The corresponding contributing scenarios are described in the respective subchapters.

ERC	PROC	PC
ERC8A		

9.74.1 Exposure Scenario

An overall exposure scenario may be described by a number of contributing scenarios which may be subdivided into environmental exposure, worker exposure and consumer exposure.

The following scenarios contribute to the scenario *Professional Use of Floor care products Polish / impregnating agent; Spray and wipe manual process*.

The corresponding release to the environment, exposure of workers and consumers resulting from these contributing scenarios is summarized in chapter 10.74 ff.

9.74.1.1 Contributing Scenario (1) controlling environmental exposure for ERC8A

Professional Use of Floor care products Polish / impregnating agent; Spray and wipe manual process

Amounts used	100 to per year
Release times per year	365
Environmental factors not influenced by risk management	River flow rate: 18000 m ³ /day
Other given operational conditions affecting environmental exposure	release to: air: 0,1%, water: 100%, soil: 0%; fraction used at main source: 0,2%; fraction tonnage to region: 10%
Technical onsite conditions and measures to reduce or limit discharges, air emissions and releases to soil	spERC: Professional use, AISE, wide dispersive use
Conditions and measures related to municipal sewage treatment plant	Municipal sewage treatment plant discharge: 2000000 L/day

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 3, Annex I.3 and Annex II.2.

9.75 Scenario 75: Professional Use of Food beverage and pharmacos products Animal housing care; Manual process

This scenario is described by the following combinations of use descriptors. The corresponding contributing scenarios are described in the respective subchapters.

ERC	PROC	PC
ERC8A	PROC 8A, PROC 10	PC 35

9.75.1 Exposure Scenario

An overall exposure scenario may be described by a number of contributing scenarios which may be subdivided into environmental exposure, worker exposure and consumer exposure.

The following scenarios contribute to the scenario *Professional Use of Food beverage and pharmacos products Animal housing care; Manual process*.

The corresponding release to the environment, exposure of workers and consumers resulting from these contributing scenarios is summarized in chapter 10.75 ff.

9.75.1.1 Contributing Scenario (1) controlling environmental exposure for ERC8A

Professional Use of Food beverage and pharmacos products Animal housing care; Manual process

Amounts used	100 to per year
Release times per year	365
Environmental factors not influenced by risk management	River flow rate: 18000 m ³ /day
Other given operational conditions affecting environmental exposure	release to: air: 0,1%, water: 100%, soil: 0%; fraction used at main source: 0,2%; fraction tonnage to region: 10%
Technical onsite conditions and measures to reduce or limit discharges, air emissions and releases to soil	spERC: Professional use, AISE, wide dispersive use
Conditions and measures related to municipal sewage treatment plant	Municipal sewage treatment plant discharge: 2000000 L/day

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 3, Annex I.3 and Annex II.2.

9.75.1.2 Contributing Scenario (2) controlling professional worker exposure for PROC 8A

Professional Use of Food beverage and pharmacos products Animal housing care; Manual process

Product characteristics	
Duration of activity	16 min/day (<i>justification: Imported Scenario settings from file: AISE_IIusesandexposures021109 Expodauer in Minuten pro Tag.xls</i>)
Other given operational conditions affecting workers exposure	Work is carried out indoors
Technical conditions and measures to control dispersion and exposure	
Conditions and measures related to personal protection, hygiene and health evaluation	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1,

Annex I.2.1 and Annex II.1.1.

9.75.1.3 Contributing Scenario (3) controlling professional worker exposure for PROC 10

Professional Use of Food beverage and pharmacos products Animal housing care; Manual process

Product characteristics	
Duration of activity	480 min/day (<i>justification: Imported Scenario settings from file: AISE_Ilusesandexposures021109 Expodauer in Minuten pro Tag.xls</i>)
Other given operational conditions affecting workers exposure	Work is carried out indoors
Technical conditions and measures to control dispersion and exposure	
Conditions and measures related to personal protection, hygiene and health evaluation	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.76 Scenario 76: Professional Use of General surface cleaning products Descaling agent; Dipping process

This scenario is described by the following combinations of use descriptors. The corresponding contributing scenarios are described in the respective subchapters.

ERC	PROC	PC
ERC8A	PROC 13	PC 35

9.76.1 Exposure Scenario

An overall exposure scenario may be described by a number of contributing scenarios which may be subdivided into environmental exposure, worker exposure and consumer exposure.

The following scenarios contribute to the scenario *Professional Use of General surface cleaning products Descaling agent; Dipping process*.

The corresponding release to the environment, exposure of workers and consumers resulting from these contributing scenarios is summarized in chapter 10.76 ff.

9.76.1.1 Contributing Scenario (1) controlling environmental exposure for ERC8A

Professional Use of General surface cleaning products Descaling agent; Dipping

process

Amounts used	100 to per year
Release times per year	365
Environmental factors not influenced by risk management	River flow rate: 18000 m ³ /day
Other given operational conditions affecting environmental exposure	release to: air: 0,1%, water: 100%, soil: 0%; fraction used at main source: 0,2%; fraction tonnage to region: 10%
Technical onsite conditions and measures to reduce or limit discharges, air emissions and releases to soil	spERC: Professional use, AISE, wide dispersive use
Conditions and measures related to municipal sewage treatment plant	Municipal sewage treatment plant discharge: 2000000 L/day

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 3, Annex I.3 and Annex II.2.

9.76.1.2 Contributing Scenario (2) controlling professional worker exposure for PROC 13

Professional Use of General surface cleaning products Descaling agent; Dipping process

Product characteristics	
Duration of activity	60 min/day (<i>justification: Imported Scenario settings from file: AISE_Ilusesandexposures021109 Expodauer in Minuten pro Tag.xls</i>)
Other given operational conditions affecting workers exposure	Work is carried out indoors
Technical conditions and measures to control dispersion and exposure	
Conditions and measures related to personal protection, hygiene and health evaluation	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.77 Scenario 77: Professional Use of General surface cleaning products Descaling agent; Manual process

This scenario is described by the following combinations of use descriptors. The

corresponding contributing scenarios are described in the respective subchapters.

ERC	PROC	PC
ERC8A	PROC 11, PROC 8A	PC 35

9.77.1 Exposure Scenario

An overall exposure scenario may be described by a number of contributing scenarios which may be subdivided into environmental exposure, worker exposure and consumer exposure.

The following scenarios contribute to the scenario *Professional Use of General surface cleaning products Descaling agent; Manual process*.

The corresponding release to the environment, exposure of workers and consumers resulting from these contributing scenarios is summarized in chapter 10.77 ff.

9.77.1.1 Contributing Scenario (1) controlling environmental exposure for ERC8A

Professional Use of General surface cleaning products Descaling agent; Manual process

Amounts used	100 to per year
Release times per year	365
Environmental factors not influenced by risk management	River flow rate: 18000 m ³ /day
Other given operational conditions affecting environmental exposure	release to: air: 0,1%, water: 100%, soil: 0%; fraction used at main source: 0,2%; fraction tonnage to region: 10%
Technical onsite conditions and measures to reduce or limit discharges, air emissions and releases to soil	spERC: Professional use, AISE, wide dispersive use
Conditions and measures related to municipal sewage treatment plant	Municipal sewage treatment plant discharge: 2000000 L/day

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 3, Annex I.3 and Annex II.2.

9.77.1.2 Contributing Scenario (2) controlling professional worker exposure for PROC 11

Professional Use of General surface cleaning products Descaling agent; Manual process

Product characteristics	
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Duration of activity	60 min/day (<i>justification: Imported Scenario settings from file: AISE_Ilusesandexposures021109 Expodauer in Minuten pro Tag.xls</i>)
Other given operational conditions affecting workers exposure	Work is carried out indoors
Technical conditions and measures to control dispersion and exposure	
Conditions and measures related to personal protection, hygiene and health evaluation	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.77.1.3 Contributing Scenario (3) controlling professional worker exposure for PROC 8A

Professional Use of General surface cleaning products Descaling agent; Manual process

Product characteristics	
Duration of activity	less than 15 mins
Other given operational conditions affecting workers exposure	Work is carried out indoors
Technical conditions and measures to control dispersion and exposure	
Conditions and measures related to personal protection, hygiene and health evaluation	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.78 Scenario 78: Professional Use of General surface cleaning products Descaling agent; Spray and rinse manual process

This scenario is described by the following combinations of use descriptors. The corresponding contributing scenarios are described in the respective subchapters.

ERC	PROC	PC
ERC8A	PROC 8A, PROC 11	PC 35

9.78.1 Exposure Scenario

An overall exposure scenario may be described by a number of contributing scenarios which may be subdivided into environmental exposure, worker exposure and consumer exposure.

The following scenarios contribute to the scenario *Professional Use of General surface cleaning products Descaling agent; Spray and rinse manual process*.

The corresponding release to the environment, exposure of workers and consumers resulting from these contributing scenarios is summarized in chapter 10.78 ff.

9.78.1.1 Contributing Scenario (1) controlling environmental exposure for ERC8A

Professional Use of General surface cleaning products Descaling agent; Spray and rinse manual process

Amounts used	100 to per year
Release times per year	365
Environmental factors not influenced by risk management	River flow rate: 18000 m ³ /day
Other given operational conditions affecting environmental exposure	release to: air: 0,1%, water: 100%, soil: 0%; fraction used at main source: 0,2%; fraction tonnage to region: 10%
Technical onsite conditions and measures to reduce or limit discharges, air emissions and releases to soil	spERC: Professional use, AISE, wide dispersive use
Conditions and measures related to municipal sewage treatment plant	Municipal sewage treatment plant discharge: 2000000 L/day

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 3, Annex I.3 and Annex II.2.

9.78.1.2 Contributing Scenario (2) controlling professional worker exposure for PROC 8A

Professional Use of General surface cleaning products Descaling agent; Spray and rinse manual process

Product characteristics	
Duration of activity	5 min/day (<i>justification: Imported Scenario settings from file: AISE_Ilusesandexposures021109 Expodauer in Minuten pro Tag.xls</i>)
Other given operational conditions affecting workers exposure	Work is carried out indoors
Technical conditions and measures to control dispersion and exposure	

Conditions and measures related to personal protection, hygiene and health evaluation	
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More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.78.1.3 Contributing Scenario (3) controlling professional worker exposure for PROC 11

Professional Use of General surface cleaning products Descaling agent; Spray and rinse manual process

Product characteristics	
Duration of activity	8 min/day (<i>justification: Imported Scenario settings from file: AISE_Ilusesandexposures021109 Expodauer in Minuten pro Tag.xls</i>)
Other given operational conditions affecting workers exposure	Work is carried out indoors
Technical conditions and measures to control dispersion and exposure	
Conditions and measures related to personal protection, hygiene and health evaluation	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.79 Scenario 79: Professional Use of General surface cleaning products General purpose cleaner; Manual process

This scenario is described by the following combinations of use descriptors. The corresponding contributing scenarios are described in the respective subchapters.

ERC	PROC	PC
ERC8A	PROC 8A, PROC 10	PC 35

9.79.1 Exposure Scenario

An overall exposure scenario may be described by a number of contributing scenarios which may be subdivided into environmental exposure, worker exposure and consumer exposure.

The following scenarios contribute to the scenario *Professional Use of General surface cleaning products General purpose cleaner; Manual process*.

The corresponding release to the environment, exposure of workers and consumers resulting from these contributing scenarios is summarized in chapter 10.79 ff.

9.79.1.1 Contributing Scenario (1) controlling environmental exposure for ERC8A

Professional Use of General surface cleaning products General purpose cleaner; Manual process

Amounts used	100 to per year
Release times per year	365
Environmental factors not influenced by risk management	River flow rate: 18000 m ³ /day
Other given operational conditions affecting environmental exposure	release to: air: 0,1%, water: 100%, soil: 0%; fraction used at main source: 0,2%; fraction tonnage to region: 10%
Technical onsite conditions and measures to reduce or limit discharges, air emissions and releases to soil	spERC: Professional use, AISE, wide dispersive use
Conditions and measures related to municipal sewage treatment plant	Municipal sewage treatment plant discharge: 2000000 L/day

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 3, Annex I.3 and Annex II.2.

9.79.1.2 Contributing Scenario (2) controlling professional worker exposure for PROC 8A

Professional Use of General surface cleaning products General purpose cleaner; Manual process

Product characteristics	
Duration of activity	16 min/day (<i>justification: Imported Scenario settings from file: AISE_Ilusesandexposures021109 Expodauer in Minuten pro Tag.xls</i>)
Other given operational conditions affecting workers exposure	Work is carried out indoors
Technical conditions and measures to control dispersion and exposure	
Conditions and measures related to personal protection, hygiene and health evaluation	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.79.1.3 Contributing Scenario (3) controlling professional worker exposure for PROC 10

Professional Use of General surface cleaning products General purpose cleaner; Manual process

Product characteristics	
Duration of activity	480 min/day (<i>justification: Imported Scenario settings from file: AISE_Ilusesandexposures021109 Expodauer in Minuten pro Tag.xls</i>)
Other given operational conditions affecting workers exposure	Work is carried out indoors
Technical conditions and measures to control dispersion and exposure	
Conditions and measures related to personal protection, hygiene and health evaluation	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.80 Scenario 80: Professional Use of General surface cleaning products General purpose cleaner; Spray and wipe manual process

This scenario is described by the following combinations of use descriptors. The corresponding contributing scenarios are described in the respective subchapters.

ERC	PROC	PC
ERC8A	PROC 8A	PC 35

9.80.1 Exposure Scenario

An overall exposure scenario may be described by a number of contributing scenarios which may be subdivided into environmental exposure, worker exposure and consumer exposure.

The following scenarios contribute to the scenario *Professional Use of General surface cleaning products General purpose cleaner; Spray and wipe manual process*.

The corresponding release to the environment, exposure of workers and consumers resulting from these contributing scenarios is summarized in chapter 10.80 ff.

9.80.1.1 Contributing Scenario (1) controlling environmental exposure for ERC8A

Professional Use of General surface cleaning products General purpose cleaner; Spray and wipe manual process

Amounts used	100 to per year
Release times per year	365
Environmental factors not influenced by risk management	River flow rate: 18000 m ³ /day
Other given operational conditions affecting environmental exposure	release to: air: 0,1%, water: 100%, soil: 0%; fraction used at main source: 0,2%; fraction tonnage to region: 10%
Technical onsite conditions and measures to reduce or limit discharges, air emissions and releases to soil	spERC: Professional use, AISE, wide dispersive use
Conditions and measures related to municipal sewage treatment plant	Municipal sewage treatment plant discharge: 2000000 L/day

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 3, Annex I.3 and Annex II.2.

9.80.1.2 Contributing Scenario (2) controlling professional worker exposure for PROC 8A

Professional Use of General surface cleaning products General purpose cleaner; Spray and wipe manual process

Product characteristics	
Duration of activity	5 min/day (<i>justification: Imported Scenario settings from file: AISE_Ilusesandexposures021109 Expodauer in Minuten pro Tag.xls</i>)
Other given operational conditions affecting workers exposure	Work is carried out indoors
Technical conditions and measures to control dispersion and exposure	
Conditions and measures related to personal protection, hygiene and health evaluation	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.81 Scenario 81: Professional Use of General surface cleaning products Glass cleaner; Manual process

This scenario is described by the following combinations of use descriptors. The corresponding contributing scenarios are described in the respective subchapters.

ERC	PROC	PC
ERC8A	PROC 8A, PROC 10	PC 35

9.81.1 Exposure Scenario

An overall exposure scenario may be described by a number of contributing scenarios which may be subdivided into environmental exposure, worker exposure and consumer exposure.

The following scenarios contribute to the scenario *Professional Use of General surface cleaning products Glass cleaner; Manual process*.

The corresponding release to the environment, exposure of workers and consumers resulting from these contributing scenarios is summarized in chapter 10.81 ff.

9.81.1.1 Contributing Scenario (1) controlling environmental exposure for ERC8A

Professional Use of General surface cleaning products Glass cleaner; Manual process

Amounts used	100 to per year
Release times per year	365
Environmental factors not influenced by risk management	River flow rate: 18000 m ³ /day
Other given operational conditions affecting environmental exposure	release to: air: 0,1%, water: 100%, soil: 0%; fraction used at main source: 0,2%; fraction tonnage to region: 10%
Technical onsite conditions and measures to reduce or limit discharges, air emissions and releases to soil	spERC: Professional use, AISE, wide dispersive use
Conditions and measures related to municipal sewage treatment plant	Municipal sewage treatment plant discharge: 2000000 L/day

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 3, Annex I.3 and Annex II.2.

9.81.1.2 Contributing Scenario (2) controlling professional worker exposure for PROC 8A

Professional Use of General surface cleaning products Glass cleaner; Manual process

Product characteristics	
Duration of activity	16 min/day (<i>justification: Imported Scenario settings from file: AISE_1lusesandexposures021109 Expodauer in Minuten pro Tag.xls</i>)

Other given operational conditions affecting workers exposure	Work is carried out indoors
Technical conditions and measures to control dispersion and exposure	
Conditions and measures related to personal protection, hygiene and health evaluation	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.81.1.3 Contributing Scenario (3) controlling professional worker exposure for PROC 10

Professional Use of General surface cleaning products Glass cleaner; Manual process

Product characteristics	
Duration of activity	480 min/day (<i>justification: Imported Scenario settings from file: AISE_Ilusesandexposures021109 Expodauer in Minuten pro Tag.xls</i>)
Other given operational conditions affecting workers exposure	Work is carried out indoors
Technical conditions and measures to control dispersion and exposure	
Conditions and measures related to personal protection, hygiene and health evaluation	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.82 Scenario 82: Professional Use of General surface cleaning products Glass cleaner; Spray and wipe manual process

This scenario is described by the following combinations of use descriptors. The corresponding contributing scenarios are described in the respective subchapters.

ERC	PROC	PC
ERC8A	PROC 8A	PC 35

9.82.1 Exposure Scenario

An overall exposure scenario may be described by a number of contributing

scenarios which may be subdivided into environmental exposure, worker exposure and consumer exposure.

The following scenarios contribute to the scenario *Professional Use of General surface cleaning products Glass cleaner; Spray and wipe manual process*.

The corresponding release to the environment, exposure of workers and consumers resulting from these contributing scenarios is summarized in chapter 10.82 ff.

9.82.1.1 Contributing Scenario (1) controlling environmental exposure for ERC8A

Professional Use of General surface cleaning products Glass cleaner; Spray and wipe manual process

Amounts used	100 to per year
Release times per year	365
Environmental factors not influenced by risk management	River flow rate: 18000 m ³ /day
Other given operational conditions affecting environmental exposure	release to: air: 0,1%, water: 100%, soil: 0%; fraction used at main source: 0,2%; fraction tonnage to region: 10%
Technical onsite conditions and measures to reduce or limit discharges, air emissions and releases to soil	spERC: Professional use, AISE, wide dispersive use
Conditions and measures related to municipal sewage treatment plant	Municipal sewage treatment plant discharge: 2000000 L/day

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 3, Annex I.3 and Annex II.2.

9.82.1.2 Contributing Scenario (2) controlling professional worker exposure for PROC 8A

Professional Use of General surface cleaning products Glass cleaner; Spray and wipe manual process

Product characteristics	
Duration of activity	5 min/day (<i>justification: Imported Scenario settings from file: AISE_IIusesandexposures021109 Expodauer in Minuten pro Tag.xls</i>)
Other given operational conditions affecting workers exposure	Work is carried out indoors
Technical conditions and measures to control dispersion and exposure	

Conditions and measures related to personal protection, hygiene and health evaluation	
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More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.83 Scenario 83: Professional Use of General surface cleaning products Kitchen cleaner; Manual process

This scenario is described by the following combinations of use descriptors. The corresponding contributing scenarios are described in the respective subchapters.

ERC	PROC	PC
ERC8A	PROC 10, PROC 8A	PC 35

9.83.1 Exposure Scenario

An overall exposure scenario may be described by a number of contributing scenarios which may be subdivided into environmental exposure, worker exposure and consumer exposure.

The following scenarios contribute to the scenario *Professional Use of General surface cleaning products Kitchen cleaner; Manual process*.

The corresponding release to the environment, exposure of workers and consumers resulting from these contributing scenarios is summarized in chapter 10.83 ff.

9.83.1.1 Contributing Scenario (1) controlling environmental exposure for ERC8A

Professional Use of General surface cleaning products Kitchen cleaner; Manual process

Amounts used	100 to per year
Release times per year	365
Environmental factors not influenced by risk management	River flow rate: 18000 m ³ /day
Other given operational conditions affecting environmental exposure	release to: air: 0,1%, water: 100%, soil: 0%; fraction used at main source: 0,2%; fraction tonnage to region: 10%
Technical onsite conditions and measures to reduce or limit discharges, air emissions and releases to soil	spERC: Professional use, AISE, wide dispersive use
Conditions and measures related to municipal sewage treatment plant	Municipal sewage treatment plant discharge: 2000000 L/day

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 3, Annex I.3 and Annex II.2.

9.83.1.2 Contributing Scenario (2) controlling professional worker exposure for PROC 10

Professional Use of General surface cleaning products Kitchen cleaner; Manual process

Product characteristics	
Duration of activity	90 min/day (<i>justification: Imported Scenario settings from file: AISE_Ilusesandexposures021109 Expodauer in Minuten pro Tag.xls</i>)
Other given operational conditions affecting workers exposure	Work is carried out indoors
Technical conditions and measures to control dispersion and exposure	
Conditions and measures related to personal protection, hygiene and health evaluation	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.83.1.3 Contributing Scenario (3) controlling professional worker exposure for PROC 8A

Professional Use of General surface cleaning products Kitchen cleaner; Manual process

Product characteristics	
Duration of activity	less than 15 mins
Other given operational conditions affecting workers exposure	Work is carried out indoors
Technical conditions and measures to control dispersion and exposure	
Conditions and measures related to personal protection, hygiene and health evaluation	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.84 Scenario 84: Professional Use of General surface cleaning products

Kitchen cleaner; Spray and wipe manual process

This scenario is described by the following combinations of use descriptors. The corresponding contributing scenarios are described in the respective subchapters.

ERC	PROC	PC
ERC8A	PROC 8A	PC 35

9.84.1 Exposure Scenario

An overall exposure scenario may be described by a number of contributing scenarios which may be subdivided into environmental exposure, worker exposure and consumer exposure.

The following scenarios contribute to the scenario *Professional Use of General surface cleaning products Kitchen cleaner; Spray and wipe manual process*.

The corresponding release to the environment, exposure of workers and consumers resulting from these contributing scenarios is summarized in chapter 10.84 ff.

9.84.1.1 Contributing Scenario (1) controlling environmental exposure for ERC8A

Professional Use of General surface cleaning products Kitchen cleaner; Spray and wipe manual process

Amounts used	100 to per year
Release times per year	365
Environmental factors not influenced by risk management	River flow rate: 18000 m ³ /day
Other given operational conditions affecting environmental exposure	release to: air: 0,1%, water: 100%, soil: 0%; fraction used at main source: 0,2%; fraction tonnage to region: 10%
Technical onsite conditions and measures to reduce or limit discharges, air emissions and releases to soil	spERC: Professional use, AISE, wide dispersive use
Conditions and measures related to municipal sewage treatment plant	Municipal sewage treatment plant discharge: 2000000 L/day

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 3, Annex I.3 and Annex II.2.

9.84.1.2 Contributing Scenario (2) controlling professional worker exposure for PROC 8A

Professional Use of General surface cleaning products Kitchen cleaner; Spray and wipe manual process

Product characteristics	
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Duration of activity	5 min/day (<i>justification: Imported Scenario settings from file: AISE_Ilusesandexposures021109 Expodauer in Minuten pro Tag.xls</i>)
Other given operational conditions affecting workers exposure	Work is carried out indoors
Technical conditions and measures to control dispersion and exposure	
Conditions and measures related to personal protection, hygiene and health evaluation	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.85 Scenario 85: Professional Use of General surface cleaning products Metal cleaning agent; Manual process

This scenario is described by the following combinations of use descriptors. The corresponding contributing scenarios are described in the respective subchapters.

ERC	PROC	PC
ERC8A	PROC 8A, PROC 10	PC 35

9.85.1 Exposure Scenario

An overall exposure scenario may be described by a number of contributing scenarios which may be subdivided into environmental exposure, worker exposure and consumer exposure.

The following scenarios contribute to the scenario *Professional Use of General surface cleaning products Metal cleaning agent; Manual process*.

The corresponding release to the environment, exposure of workers and consumers resulting from these contributing scenarios is summarized in chapter 10.85 ff.

9.85.1.1 Contributing Scenario (1) controlling environmental exposure for ERC8A

Professional Use of General surface cleaning products Metal cleaning agent; Manual process

Amounts used	100 to per year
Release times per year	365
Environmental factors not influenced by risk management	River flow rate: 18000 m ³ /day

Other given operational conditions affecting environmental exposure	release to: air: 0,1%, water: 100%, soil: 0%; fraction used at main source: 0,2%; fraction tonnage to region: 10%
Technical onsite conditions and measures to reduce or limit discharges, air emissions and releases to soil	spERC: Professional use, AISE, wide dispersive use
Conditions and measures related to municipal sewage treatment plant	Municipal sewage treatment plant discharge: 2000000 L/day

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 3, Annex I.3 and Annex II.2.

9.85.1.2 Contributing Scenario (2) controlling professional worker exposure for PROC 8A

Professional Use of General surface cleaning products Metal cleaning agent; Manual process

Product characteristics	
Duration of activity	16 min/day (<i>justification: Imported Scenario settings from file: AISE_IIusesandexposures021109 Expodauer in Minuten pro Tag.xls</i>)
Other given operational conditions affecting workers exposure	Work is carried out indoors
Technical conditions and measures to control dispersion and exposure	
Conditions and measures related to personal protection, hygiene and health evaluation	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.85.1.3 Contributing Scenario (3) controlling professional worker exposure for PROC 10

Professional Use of General surface cleaning products Metal cleaning agent; Manual process

Product characteristics	
Duration of activity	480 min/day (<i>justification: Imported Scenario settings from file: AISE_IIusesandexposures021109 Expodauer in Minuten pro Tag.xls</i>)

Other given operational conditions affecting workers exposure	Work is carried out indoors
Technical conditions and measures to control dispersion and exposure	
Conditions and measures related to personal protection, hygiene and health evaluation	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.86 Scenario 86: Professional Use of General surface cleaning products Oven/Grill Cleaner; Manual process

This scenario is described by the following combinations of use descriptors. The corresponding contributing scenarios are described in the respective subchapters.

ERC	PROC	PC
ERC8A	PROC 10	PC 35

9.86.1 Exposure Scenario

An overall exposure scenario may be described by a number of contributing scenarios which may be subdivided into environmental exposure, worker exposure and consumer exposure.

The following scenarios contribute to the scenario *Professional Use of General surface cleaning products Oven/Grill Cleaner; Manual process*.

The corresponding release to the environment, exposure of workers and consumers resulting from these contributing scenarios is summarized in chapter 10.86 ff.

9.86.1.1 Contributing Scenario (1) controlling environmental exposure for ERC8A

Professional Use of General surface cleaning products Oven/Grill Cleaner; Manual process

Amounts used	100 to per year
Release times per year	365
Environmental factors not influenced by risk management	River flow rate: 18000 m ³ /day
Other given operational conditions affecting environmental exposure	release to: air: 0,1%, water: 100%, soil: 0%; fraction used at main source: 0,2%; fraction tonnage to region: 10%

Technical onsite conditions and measures to reduce or limit discharges, air emissions and releases to soil	spERC: Professional use, AISE, wide dispersive use
Conditions and measures related to municipal sewage treatment plant	Municipal sewage treatment plant discharge: 2000000 L/day

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 3, Annex I.3 and Annex II.2.

9.86.1.2 Contributing Scenario (2) controlling professional worker exposure for PROC 10

Professional Use of General surface cleaning products Oven/Grill Cleaner; Manual process

Product characteristics	
Duration of activity	60 min/day (<i>justification: Imported Scenario settings from file: AISE_Ilusesandexposures021109 Expodauer in Minuten pro Tag.xls</i>)
Other given operational conditions affecting workers exposure	Work is carried out indoors
Technical conditions and measures to control dispersion and exposure	
Conditions and measures related to personal protection, hygiene and health evaluation	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.87 Scenario 87: Professional Use of General surface cleaning products Oven/Grill Cleaner; Spray and wipe manual process

This scenario is described by the following combinations of use descriptors. The corresponding contributing scenarios are described in the respective subchapters.

ERC	PROC	PC
ERC8A	PROC 11	PC 35

9.87.1 Exposure Scenario

An overall exposure scenario may be described by a number of contributing scenarios which may be subdivided into environmental exposure, worker exposure and consumer exposure.

The following scenarios contribute to the scenario *Professional Use of General surface cleaning products Oven/Grill Cleaner; Spray and wipe manual process*.

The corresponding release to the environment, exposure of workers and consumers resulting from these contributing scenarios is summarized in chapter 10.87 ff.

9.87.1.1 Contributing Scenario (1) controlling environmental exposure for ERC8A

Professional Use of General surface cleaning products Oven/Grill Cleaner; Spray and wipe manual process

Amounts used	100 to per year
Release times per year	365
Environmental factors not influenced by risk management	River flow rate: 18000 m ³ /day
Other given operational conditions affecting environmental exposure	release to: air: 0,1%, water: 100%, soil: 0%; fraction used at main source: 0,2%; fraction tonnage to region: 10%
Technical onsite conditions and measures to reduce or limit discharges, air emissions and releases to soil	spERC: Professional use, AISE, wide dispersive use
Conditions and measures related to municipal sewage treatment plant	Municipal sewage treatment plant discharge: 2000000 L/day

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 3, Annex I.3 and Annex II.2.

9.87.1.2 Contributing Scenario (2) controlling professional worker exposure for PROC 11

Professional Use of General surface cleaning products Oven/Grill Cleaner; Spray and wipe manual process

Product characteristics	
Duration of activity	60 min/day (<i>justification: Imported Scenario settings from file: AISE_Ilusesandexposures021109 Expodauer in Minuten pro Tag.xls</i>)
Other given operational conditions affecting workers exposure	Work is carried out indoors
Technical conditions and measures to control dispersion and exposure	
Conditions and measures related to personal protection, hygiene and health evaluation	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.88 Scenario 88: Professional Use of General surface cleaning products Sanitary cleaner; Manual process

This scenario is described by the following combinations of use descriptors. The corresponding contributing scenarios are described in the respective subchapters.

ERC	PROC	PC
ERC8A	PROC 8A, PROC 10	PC 35

9.88.1 Exposure Scenario

An overall exposure scenario may be described by a number of contributing scenarios which may be subdivided into environmental exposure, worker exposure and consumer exposure.

The following scenarios contribute to the scenario *Professional Use of General surface cleaning products Sanitary cleaner; Manual process*.

The corresponding release to the environment, exposure of workers and consumers resulting from these contributing scenarios is summarized in chapter 10.88 ff.

9.88.1.1 Contributing Scenario (1) controlling environmental exposure for ERC8A

Professional Use of General surface cleaning products Sanitary cleaner; Manual process

Amounts used	100 to per year
Release times per year	365
Environmental factors not influenced by risk management	River flow rate: 18000 m ³ /day
Other given operational conditions affecting environmental exposure	release to: air: 0,1%, water: 100%, soil: 0%; fraction used at main source: 0,2%; fraction tonnage to region: 10%
Technical onsite conditions and measures to reduce or limit discharges, air emissions and releases to soil	spERC: Professional use, AISE, wide dispersive use
Conditions and measures related to municipal sewage treatment plant	Municipal sewage treatment plant discharge: 2000000 L/day

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 3, Annex I.3 and Annex II.2.

9.88.1.2 Contributing Scenario (2) controlling professional worker exposure for

PROC 8A

Professional Use of General surface cleaning products Sanitary cleaner; Manual process

Product characteristics	
Duration of activity	16 min/day (<i>justification: Imported Scenario settings from file: AISE_Ilusesandexposures021109 Expodauer in Minuten pro Tag.xls</i>)
Other given operational conditions affecting workers exposure	Work is carried out indoors
Technical conditions and measures to control dispersion and exposure	
Conditions and measures related to personal protection, hygiene and health evaluation	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.88.1.3 Contributing Scenario (3) controlling professional worker exposure for PROC 10

Professional Use of General surface cleaning products Sanitary cleaner; Manual process

Product characteristics	
Duration of activity	480 min/day (<i>justification: Imported Scenario settings from file: AISE_Ilusesandexposures021109 Expodauer in Minuten pro Tag.xls</i>)
Other given operational conditions affecting workers exposure	Work is carried out indoors
Technical conditions and measures to control dispersion and exposure	
Conditions and measures related to personal protection, hygiene and health evaluation	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.89 Scenario 89: Professional Use of General surface cleaning products Sanitary cleaner; Spray and wipe manual process

This scenario is described by the following combinations of use descriptors. The corresponding contributing scenarios are described in the respective subchapters.

ERC	PROC	PC
ERC8A	PROC 8A	PC 35

9.89.1 Exposure Scenario

An overall exposure scenario may be described by a number of contributing scenarios which may be subdivided into environmental exposure, worker exposure and consumer exposure.

The following scenarios contribute to the scenario *Professional Use of General surface cleaning products Sanitary cleaner; Spray and wipe manual process*.

The corresponding release to the environment, exposure of workers and consumers resulting from these contributing scenarios is summarized in chapter 10.89 ff.

9.89.1.1 Contributing Scenario (1) controlling environmental exposure for ERC8A

Professional Use of General surface cleaning products Sanitary cleaner; Spray and wipe manual process

Amounts used	100 to per year
Release times per year	365
Environmental factors not influenced by risk management	River flow rate: 18000 m ³ /day
Other given operational conditions affecting environmental exposure	release to: air: 0,1%, water: 100%, soil: 0%; fraction used at main source: 0,2%; fraction tonnage to region: 10%
Technical onsite conditions and measures to reduce or limit discharges, air emissions and releases to soil	spERC: Professional use, AISE, wide dispersive use
Conditions and measures related to municipal sewage treatment plant	Municipal sewage treatment plant discharge: 2000000 L/day

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 3, Annex I.3 and Annex II.2.

9.89.1.2 Contributing Scenario (2) controlling professional worker exposure for PROC 8A

Professional Use of General surface cleaning products Sanitary cleaner; Spray and wipe manual process

Product characteristics	
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Duration of activity	5 min/day (<i>justification: Imported Scenario settings from file: AISE_Ilusesandexposures021109 Expodauer in Minuten pro Tag.xls</i>)
Other given operational conditions affecting workers exposure	Work is carried out indoors
Technical conditions and measures to control dispersion and exposure	
Conditions and measures related to personal protection, hygiene and health evaluation	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.90 Scenario 90: Professional Use of General surface cleaning products Surface disinfectant; Manual process

This scenario is described by the following combinations of use descriptors. The corresponding contributing scenarios are described in the respective subchapters.

ERC	PROC	PC
ERC8A	PROC 10, PROC 8A	PC 35

9.90.1 Exposure Scenario

An overall exposure scenario may be described by a number of contributing scenarios which may be subdivided into environmental exposure, worker exposure and consumer exposure.

The following scenarios contribute to the scenario *Professional Use of General surface cleaning products Surface disinfectant; Manual process*.

The corresponding release to the environment, exposure of workers and consumers resulting from these contributing scenarios is summarized in chapter 10.90 ff.

9.90.1.1 Contributing Scenario (1) controlling environmental exposure for ERC8A

Professional Use of General surface cleaning products Surface disinfectant; Manual process

Amounts used	100 to per year
Release times per year	365
Environmental factors not influenced by risk management	River flow rate: 18000 m ³ /day

Other given operational conditions affecting environmental exposure	release to: air: 0,1%, water: 100%, soil: 0%; fraction used at main source: 0,2%; fraction tonnage to region: 10%
Technical onsite conditions and measures to reduce or limit discharges, air emissions and releases to soil	spERC: Professional use, AISE, wide dispersive use
Conditions and measures related to municipal sewage treatment plant	Municipal sewage treatment plant discharge: 2000000 L/day

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 3, Annex I.3 and Annex II.2.

9.90.1.2 Contributing Scenario (2) controlling professional worker exposure for PROC 10

Professional Use of General surface cleaning products Surface disinfectant; Manual process

Product characteristics	
Duration of activity	480 min/day (<i>justification: Imported Scenario settings from file: AISE_IIusesandexposures021109 Expodauer in Minuten pro Tag.xls</i>)
Other given operational conditions affecting workers exposure	Work is carried out indoors
Technical conditions and measures to control dispersion and exposure	
Conditions and measures related to personal protection, hygiene and health evaluation	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.90.1.3 Contributing Scenario (3) controlling professional worker exposure for PROC 8A

Professional Use of General surface cleaning products Surface disinfectant; Manual process

Product characteristics	
Duration of activity	5 min/day (<i>justification: Imported Scenario settings from file: AISE_IIusesandexposures021109 Expodauer in Minuten pro Tag.xls</i>)

Other given operational conditions affecting workers exposure	Work is carried out indoors
Technical conditions and measures to control dispersion and exposure	
Conditions and measures related to personal protection, hygiene and health evaluation	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.91 Scenario 91: Professional Use of General surface cleaning products Surface disinfectant; Spray and rinse manual process

This scenario is described by the following combinations of use descriptors. The corresponding contributing scenarios are described in the respective subchapters.

ERC	PROC	PC
ERC8A	PROC 8A	PC 35

9.91.1 Exposure Scenario

An overall exposure scenario may be described by a number of contributing scenarios which may be subdivided into environmental exposure, worker exposure and consumer exposure.

The following scenarios contribute to the scenario *Professional Use of General surface cleaning products Surface disinfectant; Spray and rinse manual process*.

The corresponding release to the environment, exposure of workers and consumers resulting from these contributing scenarios is summarized in chapter 10.91 ff.

9.91.1.1 Contributing Scenario (1) controlling environmental exposure for ERC8A

Professional Use of General surface cleaning products Surface disinfectant; Spray and rinse manual process

Amounts used	100 to per year
Release times per year	365
Environmental factors not influenced by risk management	River flow rate: 18000 m ³ /day
Other given operational conditions affecting environmental exposure	release to: air: 0,1%, water: 100%, soil: 0%; fraction used at main source: 0,2%; fraction tonnage to region: 10%

Technical onsite conditions and measures to reduce or limit discharges, air emissions and releases to soil	spERC: Professional use, AISE, wide dispersive use
Conditions and measures related to municipal sewage treatment plant	Municipal sewage treatment plant discharge: 2000000 L/day

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 3, Annex I.3 and Annex II.2.

9.91.1.2 Contributing Scenario (2) controlling professional worker exposure for PROC 8A

Professional Use of General surface cleaning products Surface disinfectant; Spray and rinse manual process

Product characteristics	
Duration of activity	5 min/day (<i>justification: Imported Scenario settings from file: AISE_Ilusesandexposures021109 Expodauer in Minuten pro Tag.xls</i>)
Other given operational conditions affecting workers exposure	Work is carried out indoors
Technical conditions and measures to control dispersion and exposure	
Conditions and measures related to personal protection, hygiene and health evaluation	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.92 Scenario 92: Professional Use of General surface cleaning products Wet wipe; Manual process

This scenario is described by the following combinations of use descriptors. The corresponding contributing scenarios are described in the respective subchapters.

ERC	PROC	PC
ERC8A	PROC 10	PC 35

9.92.1 Exposure Scenario

An overall exposure scenario may be described by a number of contributing scenarios which may be subdivided into environmental exposure, worker exposure and consumer exposure.

The following scenarios contribute to the scenario *Professional Use of General surface cleaning products Wet wipe; Manual process*.

The corresponding release to the environment, exposure of workers and consumers resulting from these contributing scenarios is summarized in chapter 10.92 ff.

9.92.1.1 Contributing Scenario (1) controlling environmental exposure for ERC8A

Professional Use of General surface cleaning products Wet wipe; Manual process

Amounts used	100 to per year
Release times per year	365
Environmental factors not influenced by risk management	River flow rate: 18000 m ³ /day
Other given operational conditions affecting environmental exposure	release to: air: 0,1%, water: 100%, soil: 0%; fraction used at main source: 0,2%; fraction tonnage to region: 10%
Technical onsite conditions and measures to reduce or limit discharges, air emissions and releases to soil	spERC: Professional use, AISE, wide dispersive use
Conditions and measures related to municipal sewage treatment plant	Municipal sewage treatment plant discharge: 2000000 L/day

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 3, Annex I.3 and Annex II.2.

9.92.1.2 Contributing Scenario (2) controlling professional worker exposure for PROC 10

Professional Use of General surface cleaning products Wet wipe; Manual process

Product characteristics	
Duration of activity	480 min/day (<i>justification: Imported Scenario settings from file: AISE_Ilusesandexposures021109 Expodauer in Minuten pro Tag.xls</i>)
Other given operational conditions affecting workers exposure	Work is carried out indoors
Technical conditions and measures to control dispersion and exposure	
Conditions and measures related to personal protection, hygiene and health evaluation	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1,

Annex I.2.1 and Annex II.1.1.

9.93 Scenario 93: Professional Use of Hand Cleaners Professional Hand Cleaner

This scenario is described by the following combinations of use descriptors. The corresponding contributing scenarios are described in the respective subchapters.

ERC	PROC	PC
ERC8A		

9.93.1 Exposure Scenario

An overall exposure scenario may be described by a number of contributing scenarios which may be subdivided into environmental exposure, worker exposure and consumer exposure.

The following scenarios contribute to the scenario *Professional Use of Hand Cleaners Professional Hand Cleaner*.

The corresponding release to the environment, exposure of workers and consumers resulting from these contributing scenarios is summarized in chapter 10.93 ff.

9.93.1.1 Contributing Scenario (1) controlling environmental exposure for ERC8A

Professional Use of Hand Cleaners Professional Hand Cleaner

Amounts used	100 to per year
Release times per year	365
Environmental factors not influenced by risk management	River flow rate: 18000 m ³ /day
Other given operational conditions affecting environmental exposure	release to: air: 0,1%, water: 100%, soil: 0%; fraction used at main source: 0,2%; fraction tonnage to region: 10%
Technical onsite conditions and measures to reduce or limit discharges, air emissions and releases to soil	spERC: Professional use, AISE, wide dispersive use
Conditions and measures related to municipal sewage treatment plant	Municipal sewage treatment plant discharge: 2000000 L/day

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 3, Annex I.3 and Annex II.2.

9.94 Scenario 94: Professional Use of Laundry products Conditioner (softner/starch); Manual process

This scenario is described by the following combinations of use descriptors. The corresponding contributing scenarios are described in the respective subchapters.

ERC	PROC	PC
ERC8A	PROC 8A, PROC 1	PC 35

9.94.1 Exposure Scenario

An overall exposure scenario may be described by a number of contributing scenarios which may be subdivided into environmental exposure, worker exposure and consumer exposure.

The following scenarios contribute to the scenario *Professional Use of Laundry products Conditioner (softner/starch); Manual process*.

The corresponding release to the environment, exposure of workers and consumers resulting from these contributing scenarios is summarized in chapter 10.94 ff.

9.94.1.1 Contributing Scenario (1) controlling environmental exposure for ERC8A

Professional Use of Laundry products Conditioner (softner/starch); Manual process

Amounts used	100 to per year
Release times per year	365
Environmental factors not influenced by risk management	River flow rate: 18000 m ³ /day
Other given operational conditions affecting environmental exposure	release to: air: 0,1%, water: 100%, soil: 0%; fraction used at main source: 0,2%; fraction tonnage to region: 10%
Technical onsite conditions and measures to reduce or limit discharges, air emissions and releases to soil	spERC: Professional use, AISE, wide dispersive use
Conditions and measures related to municipal sewage treatment plant	Municipal sewage treatment plant discharge: 2000000 L/day

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 3, Annex I.3 and Annex II.2.

9.94.1.2 Contributing Scenario (2) controlling professional worker exposure for PROC 8A

Professional Use of Laundry products Conditioner (softner/starch); Manual process

Product characteristics	
Duration of activity	20 min/day (<i>justification: Imported Scenario settings from file: AISE_IIusesandexposures021109 Expodauer in Minuten pro Tag.xls</i>)

Other given operational conditions affecting workers exposure	Work is carried out indoors
Technical conditions and measures to control dispersion and exposure	
Conditions and measures related to personal protection, hygiene and health evaluation	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.94.1.3 Contributing Scenario (3) controlling professional worker exposure for PROC 1

Professional Use of Laundry products Conditioner (softner/starch); Manual process

Product characteristics	
Duration of activity	less than 15 mins
Other given operational conditions affecting workers exposure	Work is carried out indoors
Technical conditions and measures to control dispersion and exposure	
Conditions and measures related to personal protection, hygiene and health evaluation	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.95 Scenario 95: Professional Use of Laundry products Conditioner (softner/starch); Semi automatic process

This scenario is described by the following combinations of use descriptors. The corresponding contributing scenarios are described in the respective subchapters.

ERC	PROC	PC
ERC8A	PROC 8A, PROC 1	PC 35

9.95.1 Exposure Scenario

An overall exposure scenario may be described by a number of contributing scenarios which may be subdivided into environmental exposure, worker exposure and consumer exposure.

The following scenarios contribute to the scenario *Professional Use of Laundry products Conditioner (softner/starch); Semi automatic process*.

The corresponding release to the environment, exposure of workers and consumers resulting from these contributing scenarios is summarized in chapter 10.95 ff.

9.95.1.1 Contributing Scenario (1) controlling environmental exposure for ERC8A

Professional Use of Laundry products Conditioner (softner/starch); Semi automatic process

Amounts used	100 to per year
Release times per year	365
Environmental factors not influenced by risk management	River flow rate: 18000 m ³ /day
Other given operational conditions affecting environmental exposure	release to: air: 0,1%, water: 100%, soil: 0%; fraction used at main source: 0,2%; fraction tonnage to region: 10%
Technical onsite conditions and measures to reduce or limit discharges, air emissions and releases to soil	spERC: Professional use, AISE, wide dispersive use
Conditions and measures related to municipal sewage treatment plant	Municipal sewage treatment plant discharge: 2000000 L/day

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 3, Annex I.3 and Annex II.2.

9.95.1.2 Contributing Scenario (2) controlling professional worker exposure for PROC 8A

Professional Use of Laundry products Conditioner (softner/starch); Semi automatic process

Product characteristics	
Duration of activity	15 min/day (<i>justification: Imported Scenario settings from file: AISE_IIusesandexposures021109 Expodauer in Minuten pro Tag.xls</i>)
Other given operational conditions affecting workers exposure	Work is carried out indoors
Technical conditions and measures to control dispersion and exposure	
Conditions and measures related to personal protection, hygiene and health evaluation	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1,

Annex I.2.1 and Annex II.1.1.

9.95.1.3 Contributing Scenario (3) controlling professional worker exposure for PROC 1

Professional Use of Laundry products Conditioner (softner/starch); Semi automatic process

Product characteristics	
Duration of activity	less than 15 mins
Other given operational conditions affecting workers exposure	Work is carried out indoors
Technical conditions and measures to control dispersion and exposure	
Conditions and measures related to personal protection, hygiene and health evaluation	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.96 Scenario 96: Professional Use of Laundry products Laundry aid (gasing); Manual process

This scenario is described by the following combinations of use descriptors. The corresponding contributing scenarios are described in the respective subchapters.

ERC	PROC	PC
ERC8A	PROC 8A, PROC 1	PC 35

9.96.1 Exposure Scenario

An overall exposure scenario may be described by a number of contributing scenarios which may be subdivided into environmental exposure, worker exposure and consumer exposure.

The following scenarios contribute to the scenario *Professional Use of Laundry products Laundry aid (gasing); Manual process*.

The corresponding release to the environment, exposure of workers and consumers resulting from these contributing scenarios is summarized in chapter 10.96 ff.

9.96.1.1 Contributing Scenario (1) controlling environmental exposure for ERC8A

Professional Use of Laundry products Laundry aid (gasing); Manual process

Amounts used	100 to per year
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Release times per year	365
Environmental factors not influenced by risk management	River flow rate: 18000 m ³ /day
Other given operational conditions affecting environmental exposure	release to: air: 0,1%, water: 100%, soil: 0%; fraction used at main source: 0,2%; fraction tonnage to region: 10%
Technical onsite conditions and measures to reduce or limit discharges, air emissions and releases to soil	spERC: Professional use, AISE, wide dispersive use
Conditions and measures related to municipal sewage treatment plant	Municipal sewage treatment plant discharge: 2000000 L/day

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 3, Annex I.3 and Annex II.2.

9.96.1.2 Contributing Scenario (2) controlling professional worker exposure for PROC 8A

Professional Use of Laundry products Laundry aid (gasing); Manual process

Product characteristics	
Duration of activity	20 min/day (<i>justification: Imported Scenario settings from file: AISE_Ilusesandexposures021109 Expodauer in Minuten pro Tag.xls</i>)
Other given operational conditions affecting workers exposure	Work is carried out indoors
Technical conditions and measures to control dispersion and exposure	
Conditions and measures related to personal protection, hygiene and health evaluation	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.96.1.3 Contributing Scenario (3) controlling professional worker exposure for PROC 1

Professional Use of Laundry products Laundry aid (gasing); Manual process

Product characteristics	
Duration of activity	less than 15 mins
Other given operational conditions affecting workers exposure	Work is carried out indoors

Technical conditions and measures to control dispersion and exposure	
Conditions and measures related to personal protection, hygiene and health evaluation	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.97 Scenario 97: Professional Use of Laundry products Laundry aid (gasing); Semi automatic process

This scenario is described by the following combinations of use descriptors. The corresponding contributing scenarios are described in the respective subchapters.

ERC	PROC	PC
ERC8A	PROC 8A, PROC 1	PC 35

9.97.1 Exposure Scenario

An overall exposure scenario may be described by a number of contributing scenarios which may be subdivided into environmental exposure, worker exposure and consumer exposure.

The following scenarios contribute to the scenario *Professional Use of Laundry products Laundry aid (gasing); Semi automatic process*.

The corresponding release to the environment, exposure of workers and consumers resulting from these contributing scenarios is summarized in chapter 10.97 ff.

9.97.1.1 Contributing Scenario (1) controlling environmental exposure for ERC8A

Professional Use of Laundry products Laundry aid (gasing); Semi automatic process

Amounts used	100 to per year
Release times per year	365
Environmental factors not influenced by risk management	River flow rate: 18000 m ³ /day
Other given operational conditions affecting environmental exposure	release to: air: 0,1%, water: 100%, soil: 0%; fraction used at main source: 0,2%; fraction tonnage to region: 10%
Technical onsite conditions and measures to reduce or limit discharges, air emissions and releases to soil	spERC: Professional use, AISE, wide dispersive use
Conditions and measures related to municipal sewage treatment plant	Municipal sewage treatment plant discharge: 2000000 L/day

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 3, Annex I.3 and Annex II.2.

9.97.1.2 Contributing Scenario (2) controlling professional worker exposure for PROC 8A

Professional Use of Laundry products Laundry aid (gasing); Semi automatic process

Product characteristics	
Duration of activity	20 min/day (<i>justification: Imported Scenario settings from file: AISE_Ilusesandexposures021109 Expodauer in Minuten pro Tag.xls</i>)
Other given operational conditions affecting workers exposure	Work is carried out indoors
Technical conditions and measures to control dispersion and exposure	
Conditions and measures related to personal protection, hygiene and health evaluation	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.97.1.3 Contributing Scenario (3) controlling professional worker exposure for PROC 1

Professional Use of Laundry products Laundry aid (gasing); Semi automatic process

Product characteristics	
Duration of activity	less than 15 mins
Other given operational conditions affecting workers exposure	Work is carried out indoors
Technical conditions and measures to control dispersion and exposure	
Conditions and measures related to personal protection, hygiene and health evaluation	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.98 Scenario 98: Professional Use of Laundry products Laundry aid (non-gasing); Manual process

This scenario is described by the following combinations of use descriptors. The corresponding contributing scenarios are described in the respective subchapters.

ERC	PROC	PC
ERC8A	PROC 8A, PROC 1	PC 35

9.98.1 Exposure Scenario

An overall exposure scenario may be described by a number of contributing scenarios which may be subdivided into environmental exposure, worker exposure and consumer exposure.

The following scenarios contribute to the scenario *Professional Use of Laundry products Laundry aid (non-gasing); Manual process*.

The corresponding release to the environment, exposure of workers and consumers resulting from these contributing scenarios is summarized in chapter 10.98 ff.

9.98.1.1 Contributing Scenario (1) controlling environmental exposure for ERC8A

Professional Use of Laundry products Laundry aid (non-gasing); Manual process

Amounts used	100 to per year
Release times per year	365
Environmental factors not influenced by risk management	River flow rate: 18000 m ³ /day
Other given operational conditions affecting environmental exposure	release to: air: 0,1%, water: 100%, soil: 0%; fraction used at main source: 0,2%; fraction tonnage to region: 10%
Technical onsite conditions and measures to reduce or limit discharges, air emissions and releases to soil	spERC: Professional use, AISE, wide dispersive use
Conditions and measures related to municipal sewage treatment plant	Municipal sewage treatment plant discharge: 2000000 L/day

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 3, Annex I.3 and Annex II.2.

9.98.1.2 Contributing Scenario (2) controlling professional worker exposure for PROC 8A

Professional Use of Laundry products Laundry aid (non-gasing); Manual process

Product characteristics	
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Duration of activity	20 min/day (<i>justification: Imported Scenario settings from file: AISE_Ilusesandexposures021109 Expodauer in Minuten pro Tag.xls</i>)
Other given operational conditions affecting workers exposure	Work is carried out indoors
Technical conditions and measures to control dispersion and exposure	
Conditions and measures related to personal protection, hygiene and health evaluation	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.98.1.3 Contributing Scenario (3) controlling professional worker exposure for PROC 1

Professional Use of Laundry products Laundry aid (non-gasing); Manual process

Product characteristics	
Duration of activity	less than 15 mins
Other given operational conditions affecting workers exposure	Work is carried out indoors
Technical conditions and measures to control dispersion and exposure	
Conditions and measures related to personal protection, hygiene and health evaluation	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.99 Scenario 99: Professional Use of Laundry products Laundry aid (non-gasing); Semi automatic process

This scenario is described by the following combinations of use descriptors. The corresponding contributing scenarios are described in the respective subchapters.

ERC	PROC	PC
ERC8A	PROC 8A, PROC 1	PC 35

9.99.1 Exposure Scenario

An overall exposure scenario may be described by a number of contributing scenarios which may be subdivided into environmental exposure, worker exposure and consumer exposure.

The following scenarios contribute to the scenario *Professional Use of Laundry products Laundry aid (non-gasing); Semi automatic process*.

The corresponding release to the environment, exposure of workers and consumers resulting from these contributing scenarios is summarized in chapter 10.99 ff.

9.99.1.1 Contributing Scenario (1) controlling environmental exposure for ERC8A

Professional Use of Laundry products Laundry aid (non-gasing); Semi automatic process

Amounts used	100 to per year
Release times per year	365
Environmental factors not influenced by risk management	River flow rate: 18000 m ³ /day
Other given operational conditions affecting environmental exposure	release to: air: 0,1%, water: 100%, soil: 0%; fraction used at main source: 0,2%; fraction tonnage to region: 10%
Technical onsite conditions and measures to reduce or limit discharges, air emissions and releases to soil	spERC: Professional use, AISE, wide dispersive use
Conditions and measures related to municipal sewage treatment plant	Municipal sewage treatment plant discharge: 2000000 L/day

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 3, Annex I.3 and Annex II.2.

9.99.1.2 Contributing Scenario (2) controlling professional worker exposure for PROC 8A

Professional Use of Laundry products Laundry aid (non-gasing); Semi automatic process

Product characteristics	
Duration of activity	15 min/day (<i>justification: Imported Scenario settings from file: AISE_Ilusesandexposures021109 Expodauer in Minuten pro Tag.xls</i>)
Other given operational conditions affecting workers exposure	Work is carried out indoors
Technical conditions and measures to control dispersion and exposure	

Conditions and measures related to personal protection, hygiene and health evaluation	
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More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.99.1.3 Contributing Scenario (3) controlling professional worker exposure for PROC 1

Professional Use of Laundry products Laundry aid (non-gasing); Semi automatic process

Product characteristics	
Duration of activity	less than 15 mins
Other given operational conditions affecting workers exposure	Work is carried out indoors
Technical conditions and measures to control dispersion and exposure	
Conditions and measures related to personal protection, hygiene and health evaluation	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.100 Scenario 100: Professional Use of Laundry products Laundry detergent; Manual process (TST4)

This scenario is described by the following combinations of use descriptors. The corresponding contributing scenarios are described in the respective subchapters.

ERC	PROC	PC
ERC8A	PROC 8A, PROC 1	PC 35

9.100.1 Exposure Scenario

An overall exposure scenario may be described by a number of contributing scenarios which may be subdivided into environmental exposure, worker exposure and consumer exposure.

The following scenarios contribute to the scenario *Professional Use of Laundry products Laundry detergent; Manual process (TST4)*.

The corresponding release to the environment, exposure of workers and consumers resulting from these contributing scenarios is summarized in chapter 10.100 ff.

9.100.1.1 Contributing Scenario (1) controlling environmental exposure for ERC8A

Professional Use of Laundry products Laundry detergent; Manual process (TST4)

Amounts used	100 to per year
Release times per year	365
Environmental factors not influenced by risk management	River flow rate: 18000 m ³ /day
Other given operational conditions affecting environmental exposure	release to: air: 0,1%, water: 100%, soil: 0%; fraction used at main source: 0,2%; fraction tonnage to region: 10%
Technical onsite conditions and measures to reduce or limit discharges, air emissions and releases to soil	spERC: Professional use, AISE, wide dispersive use
Conditions and measures related to municipal sewage treatment plant	Municipal sewage treatment plant discharge: 2000000 L/day

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 3, Annex I.3 and Annex II.2.

9.100.1.2 Contributing Scenario (2) controlling professional worker exposure for PROC 8A

Professional Use of Laundry products Laundry detergent; Manual process (TST4)

Product characteristics	
Duration of activity	20 min/day (<i>justification: Imported Scenario settings from file: AISE_Ilusesandexposures021109 Expodauer in Minuten pro Tag.xls</i>)
Other given operational conditions affecting workers exposure	Work is carried out indoors
Technical conditions and measures to control dispersion and exposure	
Conditions and measures related to personal protection, hygiene and health evaluation	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.100.1.3 Contributing Scenario (3) controlling professional worker exposure for PROC 1

Professional Use of Laundry products Laundry detergent; Manual process (TST4)

Product characteristics	
Duration of activity	less than 15 mins
Other given operational conditions affecting workers exposure	Work is carried out indoors
Technical conditions and measures to control dispersion and exposure	
Conditions and measures related to personal protection, hygiene and health evaluation	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.101 Scenario 101: Professional Use of Laundry products Laundry detergent; Semi automatic process (TST3)

This scenario is described by the following combinations of use descriptors. The corresponding contributing scenarios are described in the respective subchapters.

ERC	PROC	PC
ERC8A	PROC 8A, PROC 1	PC 35

9.101.1 Exposure Scenario

An overall exposure scenario may be described by a number of contributing scenarios which may be subdivided into environmental exposure, worker exposure and consumer exposure.

The following scenarios contribute to the scenario *Professional Use of Laundry products Laundry detergent; Semi automatic process (TST3)*.

The corresponding release to the environment, exposure of workers and consumers resulting from these contributing scenarios is summarized in chapter 10.101 ff.

9.101.1.1 Contributing Scenario (1) controlling environmental exposure for ERC8A

Professional Use of Laundry products Laundry detergent; Semi automatic process (TST3)

Amounts used	100 to per year
Release times per year	365
Environmental factors not influenced by risk management	River flow rate: 18000 m ³ /day

Other given operational conditions affecting environmental exposure	release to: air: 0,1%, water: 100%, soil: 0%; fraction used at main source: 0,2%; fraction tonnage to region: 10%
Technical onsite conditions and measures to reduce or limit discharges, air emissions and releases to soil	spERC: Professional use, AISE, wide dispersive use
Conditions and measures related to municipal sewage treatment plant	Municipal sewage treatment plant discharge: 2000000 L/day

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 3, Annex I.3 and Annex II.2.

9.101.1.2 Contributing Scenario (2) controlling professional worker exposure for PROC 8A

Professional Use of Laundry products Laundry detergent; Semi automatic process (TST3)

Product characteristics	
Duration of activity	15 min/day (<i>justification: Imported Scenario settings from file: AISE_IIusesandexposures021109 Expodauer in Minuten pro Tag.xls</i>)
Other given operational conditions affecting workers exposure	Work is carried out indoors
Technical conditions and measures to control dispersion and exposure	
Conditions and measures related to personal protection, hygiene and health evaluation	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.101.1.3 Contributing Scenario (3) controlling professional worker exposure for PROC 1

Professional Use of Laundry products Laundry detergent; Semi automatic process (TST3)

Product characteristics	
Duration of activity	less than 15 mins
Other given operational conditions affecting workers exposure	Work is carried out indoors
Technical conditions and measures to control dispersion and exposure	

Conditions and measures related to personal protection, hygiene and health evaluation	
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More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.102 Scenario 102: Professional Use of Laundry products Prespotter/Stain remover; Manual process

This scenario is described by the following combinations of use descriptors. The corresponding contributing scenarios are described in the respective subchapters.

ERC	PROC	PC
ERC8A		

9.102.1 Exposure Scenario

An overall exposure scenario may be described by a number of contributing scenarios which may be subdivided into environmental exposure, worker exposure and consumer exposure.

The following scenarios contribute to the scenario *Professional Use of Laundry products Prespotter/Stain remover; Manual process*.

The corresponding release to the environment, exposure of workers and consumers resulting from these contributing scenarios is summarized in chapter 10.102 ff.

9.102.1.1 Contributing Scenario (1) controlling environmental exposure for ERC8A

Professional Use of Laundry products Prespotter/Stain remover; Manual process

Amounts used	100 to per year
Release times per year	365
Environmental factors not influenced by risk management	River flow rate: 18000 m ³ /day
Other given operational conditions affecting environmental exposure	release to: air: 0,1%, water: 100%, soil: 0%; fraction used at main source: 0,2%; fraction tonnage to region: 10%
Technical onsite conditions and measures to reduce or limit discharges, air emissions and releases to soil	spERC: Professional use, AISE, wide dispersive use
Conditions and measures related to municipal sewage treatment plant	Municipal sewage treatment plant discharge: 2000000 L/day

More details on the individual use conditions, applied algorithms and default values

of this scenario are summarized in the attached EasyTRA report under chapters 3, Annex I.3 and Annex II.2.

9.103 Scenario 103: Professional Use of Maintenance Products Drain cleaner; Manual process

This scenario is described by the following combinations of use descriptors. The corresponding contributing scenarios are described in the respective subchapters.

ERC	PROC	PC
ERC8A	PROC 8A	PC 35

9.103.1 Exposure Scenario

An overall exposure scenario may be described by a number of contributing scenarios which may be subdivided into environmental exposure, worker exposure and consumer exposure.

The following scenarios contribute to the scenario *Professional Use of Maintenance Products Drain cleaner; Manual process*.

The corresponding release to the environment, exposure of workers and consumers resulting from these contributing scenarios is summarized in chapter 10.103 ff.

9.103.1.1 Contributing Scenario (1) controlling environmental exposure for ERC8A

Professional Use of Maintenance Products Drain cleaner; Manual process

Amounts used	100 to per year
Release times per year	365
Environmental factors not influenced by risk management	River flow rate: 18000 m ³ /day
Other given operational conditions affecting environmental exposure	release to: air: 0,1%, water: 100%, soil: 0%; fraction used at main source: 0,2%; fraction tonnage to region: 10%
Technical onsite conditions and measures to reduce or limit discharges, air emissions and releases to soil	spERC: Professional use, AISE, wide dispersive use
Conditions and measures related to municipal sewage treatment plant	Municipal sewage treatment plant discharge: 2000000 L/day

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 3, Annex I.3 and Annex II.2.

9.103.1.2 Contributing Scenario (2) controlling professional worker exposure for PROC 8A

Professional Use of Maintenance Products Drain cleaner; Manual process

Product characteristics	
Duration of activity	6 min/day (<i>justification: Imported Scenario settings from file: AISE_Ilusesandexposures021109 Expodauer in Minuten pro Tag.xls</i>)
Other given operational conditions affecting workers exposure	Work is carried out indoors
Technical conditions and measures to control dispersion and exposure	
Conditions and measures related to personal protection, hygiene and health evaluation	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.104 Scenario 104: Professional Use of Maintenance Products Drain unblocker; Manual process

This scenario is described by the following combinations of use descriptors. The corresponding contributing scenarios are described in the respective subchapters.

ERC	PROC	PC
ERC8A	PROC 8A	PC 35

9.104.1 Exposure Scenario

An overall exposure scenario may be described by a number of contributing scenarios which may be subdivided into environmental exposure, worker exposure and consumer exposure.

The following scenarios contribute to the scenario *Professional Use of Maintenance Products Drain unblocker; Manual process*.

The corresponding release to the environment, exposure of workers and consumers resulting from these contributing scenarios is summarized in chapter 10.104 ff.

9.104.1.1 Contributing Scenario (1) controlling environmental exposure for ERC8A

Professional Use of Maintenance Products Drain unblocker; Manual process

Amounts used	100 to per year
Release times per year	365
Environmental factors not influenced by risk management	River flow rate: 18000 m ³ /day

Other given operational conditions affecting environmental exposure	release to: air: 0,1%, water: 100%, soil: 0%; fraction used at main source: 0,2%; fraction tonnage to region: 10%
Technical onsite conditions and measures to reduce or limit discharges, air emissions and releases to soil	spERC: Professional use, AISE, wide dispersive use
Conditions and measures related to municipal sewage treatment plant	Municipal sewage treatment plant discharge: 2000000 L/day

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 3, Annex I.3 and Annex II.2.

9.104.1.2 Contributing Scenario (2) controlling professional worker exposure for PROC 8A

Professional Use of Maintenance Products Drain unblocker; Manual process

Product characteristics	
Duration of activity	6 min/day (<i>justification: Imported Scenario settings from file: AISE_Ilusesandexposures021109 Expodauer in Minuten pro Tag.xls</i>)
Other given operational conditions affecting workers exposure	Work is carried out indoors
Technical conditions and measures to control dispersion and exposure	
Conditions and measures related to personal protection, hygiene and health evaluation	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.105 Scenario 105: Professional Use of Maintenance Products Furniture care product; Manual process

This scenario is described by the following combinations of use descriptors. The corresponding contributing scenarios are described in the respective subchapters.

ERC	PROC	PC
ERC8A	PROC 10	PC 35

9.105.1 Exposure Scenario

An overall exposure scenario may be described by a number of contributing

scenarios which may be subdivided into environmental exposure, worker exposure and consumer exposure.

The following scenarios contribute to the scenario *Professional Use of Maintenance Products Furniture care product; Manual process*.

The corresponding release to the environment, exposure of workers and consumers resulting from these contributing scenarios is summarized in chapter 10.105 ff.

9.105.1.1 Contributing Scenario (1) controlling environmental exposure for ERC8A

Professional Use of Maintenance Products Furniture care product; Manual process

Amounts used	100 to per year
Release times per year	365
Environmental factors not influenced by risk management	River flow rate: 18000 m ³ /day
Other given operational conditions affecting environmental exposure	release to: air: 0,1%, water: 100%, soil: 0%; fraction used at main source: 0,2%; fraction tonnage to region: 10%
Technical onsite conditions and measures to reduce or limit discharges, air emissions and releases to soil	spERC: Professional use, AISE, wide dispersive use
Conditions and measures related to municipal sewage treatment plant	Municipal sewage treatment plant discharge: 2000000 L/day

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 3, Annex I.3 and Annex II.2.

9.105.1.2 Contributing Scenario (2) controlling professional worker exposure for PROC 10

Professional Use of Maintenance Products Furniture care product; Manual process

Product characteristics	
Duration of activity	90 min/day (<i>justification: Imported Scenario settings from file: AISE_Ilusesandexposures021109 Expodauer in Minuten pro Tag.xls</i>)
Other given operational conditions affecting workers exposure	Work is carried out indoors
Technical conditions and measures to control dispersion and exposure	
Conditions and measures related to personal protection, hygiene and health evaluation	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.106 Scenario 106: Professional Use of Maintenance Products Furniture care product; Spray and wipe manual process

This scenario is described by the following combinations of use descriptors. The corresponding contributing scenarios are described in the respective subchapters.

ERC	PROC	PC
ERC8A		

9.106.1 Exposure Scenario

An overall exposure scenario may be described by a number of contributing scenarios which may be subdivided into environmental exposure, worker exposure and consumer exposure.

The following scenarios contribute to the scenario *Professional Use of Maintenance Products Furniture care product; Spray and wipe manual process*.

The corresponding release to the environment, exposure of workers and consumers resulting from these contributing scenarios is summarized in chapter 10.106 ff.

9.106.1.1 Contributing Scenario (1) controlling environmental exposure for ERC8A

Professional Use of Maintenance Products Furniture care product; Spray and wipe manual process

Amounts used	100 to per year
Release times per year	365
Environmental factors not influenced by risk management	River flow rate: 18000 m ³ /day
Other given operational conditions affecting environmental exposure	release to: air: 0,1%, water: 100%, soil: 0%; fraction used at main source: 0,2%; fraction tonnage to region: 10%
Technical onsite conditions and measures to reduce or limit discharges, air emissions and releases to soil	spERC: Professional use, AISE, wide dispersive use
Conditions and measures related to municipal sewage treatment plant	Municipal sewage treatment plant discharge: 2000000 L/day

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 3, Annex I.3 and Annex II.2.

9.107 Scenario 107: Professional Use of Maintenance Products Leather care product; Automatic process

This scenario is described by the following combinations of use descriptors. The corresponding contributing scenarios are described in the respective subchapters.

ERC	PROC	PC
ERC8A	PROC 2, PROC 8A	PC 35

9.107.1 Exposure Scenario

An overall exposure scenario may be described by a number of contributing scenarios which may be subdivided into environmental exposure, worker exposure and consumer exposure.

The following scenarios contribute to the scenario *Professional Use of Maintenance Products Leather care product; Automatic process*.

The corresponding release to the environment, exposure of workers and consumers resulting from these contributing scenarios is summarized in chapter 10.107 ff.

9.107.1.1 Contributing Scenario (1) controlling environmental exposure for ERC8A

Professional Use of Maintenance Products Leather care product; Automatic process

Amounts used	100 to per year
Release times per year	365
Environmental factors not influenced by risk management	River flow rate: 18000 m ³ /day
Other given operational conditions affecting environmental exposure	release to: air: 0,1%, water: 100%, soil: 0%; fraction used at main source: 0,2%; fraction tonnage to region: 10%
Technical onsite conditions and measures to reduce or limit discharges, air emissions and releases to soil	spERC: Professional use, AISE, wide dispersive use
Conditions and measures related to municipal sewage treatment plant	Municipal sewage treatment plant discharge: 2000000 L/day

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 3, Annex I.3 and Annex II.2.

9.107.1.2 Contributing Scenario (2) controlling professional worker exposure for PROC 2

Professional Use of Maintenance Products Leather care product; Automatic process

Product characteristics	
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Duration of activity	5 min/day (<i>justification: Imported Scenario settings from file: AISE_Ilusesandexposures021109 Expodauer in Minuten pro Tag.xls</i>)
Other given operational conditions affecting workers exposure	Work is carried out indoors
Technical conditions and measures to control dispersion and exposure	
Conditions and measures related to personal protection, hygiene and health evaluation	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.107.1.3 Contributing Scenario (3) controlling professional worker exposure for PROC 8A

Professional Use of Maintenance Products Leather care product; Automatic process

Product characteristics	
Duration of activity	1 min/day (<i>justification: Imported Scenario settings from file: AISE_Ilusesandexposures021109 Expodauer in Minuten pro Tag.xls</i>)
Other given operational conditions affecting workers exposure	Work is carried out indoors
Technical conditions and measures to control dispersion and exposure	
Conditions and measures related to personal protection, hygiene and health evaluation	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.108 Scenario 108: Professional Use of Maintenance Products Leather care product; Manual process

This scenario is described by the following combinations of use descriptors. The corresponding contributing scenarios are described in the respective subchapters.

ERC	PROC	PC
ERC8A	PROC 10	PC 35

9.108.1 Exposure Scenario

An overall exposure scenario may be described by a number of contributing scenarios which may be subdivided into environmental exposure, worker exposure and consumer exposure.

The following scenarios contribute to the scenario *Professional Use of Maintenance Products Leather care product; Manual process*.

The corresponding release to the environment, exposure of workers and consumers resulting from these contributing scenarios is summarized in chapter 10.108 ff.

9.108.1.1 Contributing Scenario (1) controlling environmental exposure for ERC8A

Professional Use of Maintenance Products Leather care product; Manual process

Amounts used	100 to per year
Release times per year	365
Environmental factors not influenced by risk management	River flow rate: 18000 m ³ /day
Other given operational conditions affecting environmental exposure	release to: air: 0,1%, water: 100%, soil: 0%; fraction used at main source: 0,2%; fraction tonnage to region: 10%
Technical onsite conditions and measures to reduce or limit discharges, air emissions and releases to soil	spERC: Professional use, AISE, wide dispersive use
Conditions and measures related to municipal sewage treatment plant	Municipal sewage treatment plant discharge: 2000000 L/day

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 3, Annex I.3 and Annex II.2.

9.108.1.2 Contributing Scenario (2) controlling professional worker exposure for PROC 10

Professional Use of Maintenance Products Leather care product; Manual process

Product characteristics	
Duration of activity	90 min/day (<i>justification: Imported Scenario settings from file: AISE_Ilusesandexposures021109 Expodauer in Minuten pro Tag.xls</i>)
Other given operational conditions affecting workers exposure	Work is carried out indoors
Technical conditions and measures to control dispersion and exposure	

Conditions and measures related to personal protection, hygiene and health evaluation	
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More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.109 Scenario 109: Professional Use of Maintenance Products Leather care product; Spray and wipe manual process

This scenario is described by the following combinations of use descriptors. The corresponding contributing scenarios are described in the respective subchapters.

ERC	PROC	PC
ERC8A		

9.109.1 Exposure Scenario

An overall exposure scenario may be described by a number of contributing scenarios which may be subdivided into environmental exposure, worker exposure and consumer exposure.

The following scenarios contribute to the scenario *Professional Use of Maintenance Products Leather care product; Spray and wipe manual process*.

The corresponding release to the environment, exposure of workers and consumers resulting from these contributing scenarios is summarized in chapter 10.109 ff.

9.109.1.1 Contributing Scenario (1) controlling environmental exposure for ERC8A

Professional Use of Maintenance Products Leather care product; Spray and wipe manual process

Amounts used	100 to per year
Release times per year	365
Environmental factors not influenced by risk management	River flow rate: 18000 m ³ /day
Other given operational conditions affecting environmental exposure	release to: air: 0,1%, water: 100%, soil: 0%; fraction used at main source: 0,2%; fraction tonnage to region: 10%
Technical onsite conditions and measures to reduce or limit discharges, air emissions and releases to soil	spERC: Professional use, AISE, wide dispersive use
Conditions and measures related to municipal sewage treatment plant	Municipal sewage treatment plant discharge: 2000000 L/day

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 3, Annex I.3 and Annex II.2.

9.110 Scenario 110: Professional Use of Maintenance Products Stainless steel care; Manual process

This scenario is described by the following combinations of use descriptors. The corresponding contributing scenarios are described in the respective subchapters.

ERC	PROC	PC
ERC8A	PROC 10	PC 35

9.110.1 Exposure Scenario

An overall exposure scenario may be described by a number of contributing scenarios which may be subdivided into environmental exposure, worker exposure and consumer exposure.

The following scenarios contribute to the scenario *Professional Use of Maintenance Products Stainless steel care; Manual process*.

The corresponding release to the environment, exposure of workers and consumers resulting from these contributing scenarios is summarized in chapter 10.110 ff.

9.110.1.1 Contributing Scenario (1) controlling environmental exposure for ERC8A

Professional Use of Maintenance Products Stainless steel care; Manual process

Amounts used	100 to per year
Release times per year	365
Environmental factors not influenced by risk management	River flow rate: 18000 m ³ /day
Other given operational conditions affecting environmental exposure	release to: air: 0,1%, water: 100%, soil: 0%; fraction used at main source: 0,2%; fraction tonnage to region: 10%
Technical onsite conditions and measures to reduce or limit discharges, air emissions and releases to soil	spERC: Professional use, AISE, wide dispersive use
Conditions and measures related to municipal sewage treatment plant	Municipal sewage treatment plant discharge: 2000000 L/day

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 3, Annex I.3 and Annex II.2.

9.110.1.2 Contributing Scenario (2) controlling professional worker exposure for PROC 10

Professional Use of Maintenance Products Stainless steel care; Manual process

Product characteristics	
Duration of activity	90 min/day (<i>justification: Imported Scenario settings from file: AISE_Ilusesandexposures021109 Expodauer in Minuten pro Tag.xls</i>)
Other given operational conditions affecting workers exposure	Work is carried out indoors
Technical conditions and measures to control dispersion and exposure	
Conditions and measures related to personal protection, hygiene and health evaluation	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.111 Scenario 111: Professional Use of Maintenance Products Stainless steel care; Spray and wipe manual process

This scenario is described by the following combinations of use descriptors. The corresponding contributing scenarios are described in the respective subchapters.

ERC	PROC	PC
ERC8A		

9.111.1 Exposure Scenario

An overall exposure scenario may be described by a number of contributing scenarios which may be subdivided into environmental exposure, worker exposure and consumer exposure.

The following scenarios contribute to the scenario *Professional Use of Maintenance Products Stainless steel care; Spray and wipe manual process*.

The corresponding release to the environment, exposure of workers and consumers resulting from these contributing scenarios is summarized in chapter 10.111 ff.

9.111.1.1 Contributing Scenario (1) controlling environmental exposure for ERC8A

Professional Use of Maintenance Products Stainless steel care; Spray and wipe manual process

Amounts used	100 to per year
Release times per year	365

Environmental factors not influenced by risk management	River flow rate: 18000 m ³ /day
Other given operational conditions affecting environmental exposure	release to: air: 0,1%, water: 100%, soil: 0%; fraction used at main source: 0,2%; fraction tonnage to region: 10%
Technical onsite conditions and measures to reduce or limit discharges, air emissions and releases to soil	spERC: Professional use, AISE, wide dispersive use
Conditions and measures related to municipal sewage treatment plant	Municipal sewage treatment plant discharge: 2000000 L/day

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 3, Annex I.3 and Annex II.2.

9.112 Scenario 112: Professional Use of Medical Devices Medical devices ; Dipping process

This scenario is described by the following combinations of use descriptors. The corresponding contributing scenarios are described in the respective subchapters.

ERC	PROC	PC
ERC8A	PROC 13, PROC 8A	PC 35

9.112.1 Exposure Scenario

An overall exposure scenario may be described by a number of contributing scenarios which may be subdivided into environmental exposure, worker exposure and consumer exposure.

The following scenarios contribute to the scenario *Professional Use of Medical Devices Medical devices ; Dipping process*.

The corresponding release to the environment, exposure of workers and consumers resulting from these contributing scenarios is summarized in chapter 10.112 ff.

9.112.1.1 Contributing Scenario (1) controlling environmental exposure for ERC8A

Professional Use of Medical Devices Medical devices ; Dipping process

Amounts used	100 to per year
Release times per year	365
Environmental factors not influenced by risk management	River flow rate: 18000 m ³ /day
Other given operational conditions affecting environmental exposure	release to: air: 0,1%, water: 100%, soil: 0%; fraction used at main source: 0,2%; fraction tonnage to region: 10%

Technical onsite conditions and measures to reduce or limit discharges, air emissions and releases to soil	spERC: Professional use, AISE, wide dispersive use
Conditions and measures related to municipal sewage treatment plant	Municipal sewage treatment plant discharge: 2000000 L/day

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 3, Annex I.3 and Annex II.2.

9.112.1.2 Contributing Scenario (2) controlling professional worker exposure for PROC 13

Professional Use of Medical Devices Medical devices ; Dipping process

Product characteristics	
Duration of activity	105 min/day (<i>justification: Imported Scenario settings from file: AISE_Ilusesandexposures021109 Expodauer in Minuten pro Tag.xls</i>)
Other given operational conditions affecting workers exposure	Work is carried out indoors
Technical conditions and measures to control dispersion and exposure	local exhaust ventilation
Conditions and measures related to personal protection, hygiene and health evaluation	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.112.1.3 Contributing Scenario (3) controlling professional worker exposure for PROC 8A

Professional Use of Medical Devices Medical devices ; Dipping process

Product characteristics	
Duration of activity	5 min/day (<i>justification: Imported Scenario settings from file: AISE_Ilusesandexposures021109 Expodauer in Minuten pro Tag.xls</i>)
Other given operational conditions affecting workers exposure	Work is carried out indoors
Technical conditions and measures to control dispersion and exposure	local exhaust ventilation

Conditions and measures related to personal protection, hygiene and health evaluation	
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More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.113 Scenario 113: Professional Use of Medical Devices Medical devices ; Manual process

This scenario is described by the following combinations of use descriptors. The corresponding contributing scenarios are described in the respective subchapters.

ERC	PROC	PC
ERC8A	PROC 10, PROC 8A	PC 35

9.113.1 Exposure Scenario

An overall exposure scenario may be described by a number of contributing scenarios which may be subdivided into environmental exposure, worker exposure and consumer exposure.

The following scenarios contribute to the scenario *Professional Use of Medical Devices Medical devices ; Manual process*.

The corresponding release to the environment, exposure of workers and consumers resulting from these contributing scenarios is summarized in chapter 10.113 ff.

9.113.1.1 Contributing Scenario (1) controlling environmental exposure for ERC8A

Professional Use of Medical Devices Medical devices ; Manual process

Amounts used	100 to per year
Release times per year	365
Environmental factors not influenced by risk management	River flow rate: 18000 m ³ /day
Other given operational conditions affecting environmental exposure	release to: air: 0,1%, water: 100%, soil: 0%; fraction used at main source: 0,2%; fraction tonnage to region: 10%
Technical onsite conditions and measures to reduce or limit discharges, air emissions and releases to soil	spERC: Professional use, AISE, wide dispersive use
Conditions and measures related to municipal sewage treatment plant	Municipal sewage treatment plant discharge: 2000000 L/day

More details on the individual use conditions, applied algorithms and default values

of this scenario are summarized in the attached EasyTRA report under chapters 3, Annex I.3 and Annex II.2.

9.113.1.2 Contributing Scenario (2) controlling professional worker exposure for PROC 10

Professional Use of Medical Devices Medical devices ; Manual process

Product characteristics	
Duration of activity	480 min/day (<i>justification: Imported Scenario settings from file: AISE_Ilusesandexposures021109 Expodauer in Minuten pro Tag.xls</i>)
Other given operational conditions affecting workers exposure	Work is carried out indoors
Technical conditions and measures to control dispersion and exposure	
Conditions and measures related to personal protection, hygiene and health evaluation	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.113.1.3 Contributing Scenario (3) controlling professional worker exposure for PROC 8A

Professional Use of Medical Devices Medical devices ; Manual process

Product characteristics	
Duration of activity	16 min/day (<i>justification: Imported Scenario settings from file: AISE_Ilusesandexposures021109 Expodauer in Minuten pro Tag.xls</i>)
Other given operational conditions affecting workers exposure	Work is carried out indoors
Technical conditions and measures to control dispersion and exposure	
Conditions and measures related to personal protection, hygiene and health evaluation	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.114 Scenario 114: Professional Use of Medical Devices Medical devices ;

Semi-automatic process

This scenario is described by the following combinations of use descriptors. The corresponding contributing scenarios are described in the respective subchapters.

ERC	PROC	PC
ERC8A	PROC 4, PROC 8A	PC 35

9.114.1 Exposure Scenario

An overall exposure scenario may be described by a number of contributing scenarios which may be subdivided into environmental exposure, worker exposure and consumer exposure.

The following scenarios contribute to the scenario *Professional Use of Medical Devices Medical devices ; Semi-automatic process*.

The corresponding release to the environment, exposure of workers and consumers resulting from these contributing scenarios is summarized in chapter 10.114 ff.

9.114.1.1 Contributing Scenario (1) controlling environmental exposure for ERC8A

Professional Use of Medical Devices Medical devices ; Semi-automatic process

Amounts used	100 to per year
Release times per year	365
Environmental factors not influenced by risk management	River flow rate: 18000 m ³ /day
Other given operational conditions affecting environmental exposure	release to: air: 0,1%, water: 100%, soil: 0%; fraction used at main source: 0,2%; fraction tonnage to region: 10%
Technical onsite conditions and measures to reduce or limit discharges, air emissions and releases to soil	spERC: Professional use, AISE, wide dispersive use
Conditions and measures related to municipal sewage treatment plant	Municipal sewage treatment plant discharge: 2000000 L/day

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 3, Annex I.3 and Annex II.2.

9.114.1.2 Contributing Scenario (2) controlling professional worker exposure for PROC 4

Professional Use of Medical Devices Medical devices ; Semi-automatic process

Product characteristics	
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Duration of activity	240 min/day (<i>justification: Imported Scenario settings from file: AISE_Ilusesandexposures021109 Expodauer in Minuten pro Tag.xls</i>)
Other given operational conditions affecting workers exposure	Work is carried out indoors
Technical conditions and measures to control dispersion and exposure	local exhaust ventilation
Conditions and measures related to personal protection, hygiene and health evaluation	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.114.1.3 Contributing Scenario (3) controlling professional worker exposure for PROC 8A

Professional Use of Medical Devices Medical devices ; Semi-automatic process

Product characteristics	
Duration of activity	20 min/day (<i>justification: Imported Scenario settings from file: AISE_Ilusesandexposures021109 Expodauer in Minuten pro Tag.xls</i>)
Other given operational conditions affecting workers exposure	Work is carried out indoors
Technical conditions and measures to control dispersion and exposure	local exhaust ventilation
Conditions and measures related to personal protection, hygiene and health evaluation	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.115 Scenario 115: Professional Use of Medical Devices Medical devices ; Spray process

This scenario is described by the following combinations of use descriptors. The corresponding contributing scenarios are described in the respective subchapters.

ERC	PROC	PC
ERC8A	PROC 8A	PC 35

9.115.1 Exposure Scenario

An overall exposure scenario may be described by a number of contributing scenarios which may be subdivided into environmental exposure, worker exposure and consumer exposure.

The following scenarios contribute to the scenario *Professional Use of Medical Devices Medical devices ; Spray process*.

The corresponding release to the environment, exposure of workers and consumers resulting from these contributing scenarios is summarized in chapter 10.115 ff.

9.115.1.1 Contributing Scenario (1) controlling environmental exposure for ERC8A

Professional Use of Medical Devices Medical devices ; Spray process

Amounts used	100 to per year
Release times per year	365
Environmental factors not influenced by risk management	River flow rate: 18000 m ³ /day
Other given operational conditions affecting environmental exposure	release to: air: 0,1%, water: 100%, soil: 0%; fraction used at main source: 0,2%; fraction tonnage to region: 10%
Technical onsite conditions and measures to reduce or limit discharges, air emissions and releases to soil	spERC: Professional use, AISE, wide dispersive use
Conditions and measures related to municipal sewage treatment plant	Municipal sewage treatment plant discharge: 2000000 L/day

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 3, Annex I.3 and Annex II.2.

9.115.1.2 Contributing Scenario (2) controlling professional worker exposure for PROC 8A

Professional Use of Medical Devices Medical devices ; Spray process

Product characteristics	
Duration of activity	5 min/day (<i>justification: Imported Scenario settings from file: AISE_Ilusesandexposures021109 Expodauer in Minuten pro Tag.xls</i>)
Other given operational conditions affecting workers exposure	Work is carried out indoors
Technical conditions and measures to control dispersion and exposure	

Conditions and measures related to personal protection, hygiene and health evaluation	
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More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.116 Scenario 116: Professional Use of Vehicle cleaning Products Boat cleaner; Manual process

This scenario is described by the following combinations of use descriptors. The corresponding contributing scenarios are described in the respective subchapters.

ERC	PROC	PC
ERC8A	PROC 8A, PROC 10	PC 35

9.116.1 Exposure Scenario

An overall exposure scenario may be described by a number of contributing scenarios which may be subdivided into environmental exposure, worker exposure and consumer exposure.

The following scenarios contribute to the scenario *Professional Use of Vehicle cleaning Products Boat cleaner; Manual process*.

The corresponding release to the environment, exposure of workers and consumers resulting from these contributing scenarios is summarized in chapter 10.116 ff.

9.116.1.1 Contributing Scenario (1) controlling environmental exposure for ERC8A

Professional Use of Vehicle cleaning Products Boat cleaner; Manual process

Amounts used	100 to per year
Release times per year	365
Environmental factors not influenced by risk management	River flow rate: 18000 m ³ /day
Other given operational conditions affecting environmental exposure	release to: air: 0,1%, water: 100%, soil: 0%; fraction used at main source: 0,2%; fraction tonnage to region: 10%
Technical onsite conditions and measures to reduce or limit discharges, air emissions and releases to soil	spERC: Professional use, AISE, wide dispersive use
Conditions and measures related to municipal sewage treatment plant	Municipal sewage treatment plant discharge: 2000000 L/day

More details on the individual use conditions, applied algorithms and default values

of this scenario are summarized in the attached EasyTRA report under chapters 3, Annex I.3 and Annex II.2.

9.116.1.2 Contributing Scenario (2) controlling professional worker exposure for PROC 8A

Professional Use of Vehicle cleaning Products Boat cleaner; Manual process

Product characteristics	
Duration of activity	30 min/day (<i>justification: Imported Scenario settings from file: AISE_Ilusesandexposures021109 Expodauer in Minuten pro Tag.xls</i>)
Other given operational conditions affecting workers exposure	Work is carried out outdoors
Technical conditions and measures to control dispersion and exposure	
Conditions and measures related to personal protection, hygiene and health evaluation	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.116.1.3 Contributing Scenario (3) controlling professional worker exposure for PROC 10

Professional Use of Vehicle cleaning Products Boat cleaner; Manual process

Product characteristics	
Duration of activity	480 min/day (<i>justification: Imported Scenario settings from file: AISE_Ilusesandexposures021109 Expodauer in Minuten pro Tag.xls</i>)
Other given operational conditions affecting workers exposure	Work is carried out outdoors
Technical conditions and measures to control dispersion and exposure	
Conditions and measures related to personal protection, hygiene and health evaluation	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.117 Scenario 117: Professional Use of Vehicle cleaning Products Boat

cleaner; Spray and wipe manual process

This scenario is described by the following combinations of use descriptors. The corresponding contributing scenarios are described in the respective subchapters.

ERC	PROC	PC
ERC8A	PROC 8A, PROC 11	PC 35

9.117.1 Exposure Scenario

An overall exposure scenario may be described by a number of contributing scenarios which may be subdivided into environmental exposure, worker exposure and consumer exposure.

The following scenarios contribute to the scenario *Professional Use of Vehicle cleaning Products Boat cleaner; Spray and wipe manual process*.

The corresponding release to the environment, exposure of workers and consumers resulting from these contributing scenarios is summarized in chapter 10.117 ff.

9.117.1.1 Contributing Scenario (1) controlling environmental exposure for ERC8A

Professional Use of Vehicle cleaning Products Boat cleaner; Spray and wipe manual process

Amounts used	100 to per year
Release times per year	365
Environmental factors not influenced by risk management	River flow rate: 18000 m ³ /day
Other given operational conditions affecting environmental exposure	release to: air: 0,1%, water: 100%, soil: 0%; fraction used at main source: 0,2%; fraction tonnage to region: 10%
Technical onsite conditions and measures to reduce or limit discharges, air emissions and releases to soil	spERC: Professional use, AISE, wide dispersive use
Conditions and measures related to municipal sewage treatment plant	Municipal sewage treatment plant discharge: 2000000 L/day

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 3, Annex I.3 and Annex II.2.

9.117.1.2 Contributing Scenario (2) controlling professional worker exposure for PROC 8A

Professional Use of Vehicle cleaning Products Boat cleaner; Spray and wipe manual process

Product characteristics	
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Duration of activity	30 min/day (<i>justification: Imported Scenario settings from file: AISE_IIusesandexposures021109 Expodauer in Minuten pro Tag.xls</i>)
Other given operational conditions affecting workers exposure	Work is carried out outdoors
Technical conditions and measures to control dispersion and exposure	
Conditions and measures related to personal protection, hygiene and health evaluation	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.117.1.3 Contributing Scenario (3) controlling professional worker exposure for PROC 11

Professional Use of Vehicle cleaning Products Boat cleaner; Spray and wipe manual process

Product characteristics	
Duration of activity	480 min/day (<i>justification: Imported Scenario settings from file: AISE_IIusesandexposures021109 Expodauer in Minuten pro Tag.xls</i>)
Other given operational conditions affecting workers exposure	Work is carried out outdoors
Technical conditions and measures to control dispersion and exposure	
Conditions and measures related to personal protection, hygiene and health evaluation	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.118 Scenario 118: Professional Use of Vehicle cleaning Products Car wash product; Semi-Automatic process

This scenario is described by the following combinations of use descriptors. The corresponding contributing scenarios are described in the respective subchapters.

ERC	PROC	PC
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ERC	PROC	PC
ERC8A	PROC 8A, PROC 4	PC 35

9.118.1 Exposure Scenario

An overall exposure scenario may be described by a number of contributing scenarios which may be subdivided into environmental exposure, worker exposure and consumer exposure.

The following scenarios contribute to the scenario *Professional Use of Vehicle cleaning Products Car wash product; Semi-Automatic process*.

The corresponding release to the environment, exposure of workers and consumers resulting from these contributing scenarios is summarized in chapter 10.118 ff.

9.118.1.1 Contributing Scenario (1) controlling environmental exposure for ERC8A

Professional Use of Vehicle cleaning Products Car wash product; Semi-Automatic process

Amounts used	100 to per year
Release times per year	365
Environmental factors not influenced by risk management	River flow rate: 18000 m ³ /day
Other given operational conditions affecting environmental exposure	release to: air: 0,1%, water: 100%, soil: 0%; fraction used at main source: 0,2%; fraction tonnage to region: 10%
Technical onsite conditions and measures to reduce or limit discharges, air emissions and releases to soil	spERC: Professional use, AISE, wide dispersive use
Conditions and measures related to municipal sewage treatment plant	Municipal sewage treatment plant discharge: 2000000 L/day

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 3, Annex I.3 and Annex II.2.

9.118.1.2 Contributing Scenario (2) controlling professional worker exposure for PROC 8A

Professional Use of Vehicle cleaning Products Car wash product; Semi-Automatic process

Product characteristics	
Duration of activity	30 min/day (<i>justification: Imported Scenario settings from file: AISE_IIusesandexposures021109 Expodauer in Minuten pro Tag.xls</i>)

Other given operational conditions affecting workers exposure	Work is carried out indoors
Technical conditions and measures to control dispersion and exposure	
Conditions and measures related to personal protection, hygiene and health evaluation	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.118.1.3 Contributing Scenario (3) controlling professional worker exposure for PROC 4

Professional Use of Vehicle cleaning Products Car wash product; Semi-Automatic process

Product characteristics	
Duration of activity	480 min/day (<i>justification: Imported Scenario settings from file: AISE_Ilusesandexposures021109 Expodauer in Minuten pro Tag.xls</i>)
Other given operational conditions affecting workers exposure	Work is carried out indoors
Technical conditions and measures to control dispersion and exposure	
Conditions and measures related to personal protection, hygiene and health evaluation	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.118.1.4 Contributing Scenario (4) controlling professional worker exposure for PROC 4

Professional Use of Vehicle cleaning Products Car wash product; Semi-Automatic process

Product characteristics	
Duration of activity	480 min/day (<i>justification: Imported Scenario settings from file: AISE_Ilusesandexposures021109 Expodauer in Minuten pro Tag.xls</i>)
Other given operational conditions affecting workers exposure	Work is carried out outdoors

Technical conditions and measures to control dispersion and exposure	
Conditions and measures related to personal protection, hygiene and health evaluation	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.118.1.5 Contributing Scenario (5) controlling professional worker exposure for PROC 8A

Professional Use of Vehicle cleaning Products Car wash product; Semi-Automatic process

Product characteristics	
Duration of activity	30 min/day (<i>justification: Imported Scenario settings from file: AISE_Ilusesandexposures021109 Expodauer in Minuten pro Tag.xls</i>)
Other given operational conditions affecting workers exposure	Work is carried out outdoors
Technical conditions and measures to control dispersion and exposure	
Conditions and measures related to personal protection, hygiene and health evaluation	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.119 Scenario 119: Professional Use of Vehicle cleaning Products Car wash product; Spray and rinse process

This scenario is described by the following combinations of use descriptors. The corresponding contributing scenarios are described in the respective subchapters.

ERC	PROC	PC
ERC8A	PROC 8A, PROC 11	PC 35

9.119.1 Exposure Scenario

An overall exposure scenario may be described by a number of contributing scenarios which may be subdivided into environmental exposure, worker exposure and consumer exposure.

The following scenarios contribute to the scenario *Professional Use of Vehicle cleaning Products Car wash product; Spray and rinse process*.

The corresponding release to the environment, exposure of workers and consumers resulting from these contributing scenarios is summarized in chapter 10.119 ff.

9.119.1.1 Contributing Scenario (1) controlling environmental exposure for ERC8A

Professional Use of Vehicle cleaning Products Car wash product; Spray and rinse process

Amounts used	100 to per year
Release times per year	365
Environmental factors not influenced by risk management	River flow rate: 18000 m ³ /day
Other given operational conditions affecting environmental exposure	release to: air: 0,1%, water: 100%, soil: 0%; fraction used at main source: 0,2%; fraction tonnage to region: 10%
Technical onsite conditions and measures to reduce or limit discharges, air emissions and releases to soil	spERC: Professional use, AISE, wide dispersive use
Conditions and measures related to municipal sewage treatment plant	Municipal sewage treatment plant discharge: 2000000 L/day

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 3, Annex I.3 and Annex II.2.

9.119.1.2 Contributing Scenario (2) controlling professional worker exposure for PROC 8A

Professional Use of Vehicle cleaning Products Car wash product; Spray and rinse process

Product characteristics	
Duration of activity	30 min/day (<i>justification: Imported Scenario settings from file: AISE_Ilusesandexposures021109 Expodauer in Minuten pro Tag.xls</i>)
Other given operational conditions affecting workers exposure	Work is carried out outdoors
Technical conditions and measures to control dispersion and exposure	
Conditions and measures related to personal protection, hygiene and health evaluation	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.119.1.3 Contributing Scenario (3) controlling professional worker exposure for PROC 11

Professional Use of Vehicle cleaning Products Car wash product; Spray and rinse process

Product characteristics	
Duration of activity	480 min/day (<i>justification: Imported Scenario settings from file: AISE_Ilusesandexposures021109 Expodauer in Minuten pro Tag.xls</i>)
Other given operational conditions affecting workers exposure	Work is carried out outdoors
Technical conditions and measures to control dispersion and exposure	
Conditions and measures related to personal protection, hygiene and health evaluation	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.119.1.4 Contributing Scenario (4) controlling professional worker exposure for PROC 8A

Professional Use of Vehicle cleaning Products Car wash product; Spray and rinse process

Product characteristics	
Duration of activity	30 min/day (<i>justification: Imported Scenario settings from file: AISE_Ilusesandexposures021109 Expodauer in Minuten pro Tag.xls</i>)
Other given operational conditions affecting workers exposure	Work is carried out indoors
Technical conditions and measures to control dispersion and exposure	
Conditions and measures related to personal protection, hygiene and health evaluation	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.119.1.5 Contributing Scenario (5) controlling professional worker exposure for PROC 11

Professional Use of Vehicle cleaning Products Car wash product; Spray and rinse process

Product characteristics	
Duration of activity	480 min/day (<i>justification: Imported Scenario settings from file: AISE_Ilusesandexposures021109 Expodauer in Minuten pro Tag.xls</i>)
Other given operational conditions affecting workers exposure	Work is carried out indoors
Technical conditions and measures to control dispersion and exposure	
Conditions and measures related to personal protection, hygiene and health evaluation	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.120 Scenario 120: Professional Use of Vehicle cleaning Products Car wash product; Spray and wipe manual process

This scenario is described by the following combinations of use descriptors. The corresponding contributing scenarios are described in the respective subchapters.

ERC	PROC	PC
ERC8A	PROC 8A, PROC 11	PC 35

9.120.1 Exposure Scenario

An overall exposure scenario may be described by a number of contributing scenarios which may be subdivided into environmental exposure, worker exposure and consumer exposure.

The following scenarios contribute to the scenario *Professional Use of Vehicle cleaning Products Car wash product; Spray and wipe manual process*.

The corresponding release to the environment, exposure of workers and consumers resulting from these contributing scenarios is summarized in chapter 10.120 ff.

9.120.1.1 Contributing Scenario (1) controlling environmental exposure for ERC8A

Professional Use of Vehicle cleaning Products Car wash product; Spray and wipe manual process

Amounts used	100 to per year
Release times per year	365
Environmental factors not influenced by risk management	River flow rate: 18000 m ³ /day
Other given operational conditions affecting environmental exposure	release to: air: 0,1%, water: 100%, soil: 0%; fraction used at main source: 0,2%; fraction tonnage to region: 10%
Technical onsite conditions and measures to reduce or limit discharges, air emissions and releases to soil	spERC: Professional use, AISE, wide dispersive use
Conditions and measures related to municipal sewage treatment plant	Municipal sewage treatment plant discharge: 2000000 L/day

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 3, Annex I.3 and Annex II.2.

9.120.1.2 Contributing Scenario (2) controlling professional worker exposure for PROC 8A

Professional Use of Vehicle cleaning Products Car wash product; Spray and wipe manual process

Product characteristics	
Duration of activity	30 min/day (<i>justification: Imported Scenario settings from file: AISE_Ilusesandexposures021109 Expodauer in Minuten pro Tag.xls</i>)
Other given operational conditions affecting workers exposure	Work is carried out outdoors
Technical conditions and measures to control dispersion and exposure	
Conditions and measures related to personal protection, hygiene and health evaluation	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.120.1.3 Contributing Scenario (3) controlling professional worker exposure for PROC 11

Professional Use of Vehicle cleaning Products Car wash product; Spray and wipe manual process

Product characteristics	
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Duration of activity	480 min/day (<i>justification: Imported Scenario settings from file: AISE_Ilusesandexposures021109 Expodauer in Minuten pro Tag.xls</i>)
Other given operational conditions affecting workers exposure	Work is carried out outdoors
Technical conditions and measures to control dispersion and exposure	
Conditions and measures related to personal protection, hygiene and health evaluation	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.121 Scenario 121: Professional Use of Vehicle cleaning Products Dewaxing product; Semi-Automatic process

This scenario is described by the following combinations of use descriptors. The corresponding contributing scenarios are described in the respective subchapters.

ERC	PROC	PC
ERC8A	PROC 8A, PROC 4	PC 35

9.121.1 Exposure Scenario

An overall exposure scenario may be described by a number of contributing scenarios which may be subdivided into environmental exposure, worker exposure and consumer exposure.

The following scenarios contribute to the scenario *Professional Use of Vehicle cleaning Products Dewaxing product; Semi-Automatic process*.

The corresponding release to the environment, exposure of workers and consumers resulting from these contributing scenarios is summarized in chapter 10.121 ff.

9.121.1.1 Contributing Scenario (1) controlling environmental exposure for ERC8A

Professional Use of Vehicle cleaning Products Dewaxing product; Semi-Automatic process

Amounts used	100 to per year
Release times per year	365
Environmental factors not influenced by risk management	River flow rate: 18000 m ³ /day

Other given operational conditions affecting environmental exposure	release to: air: 0,1%, water: 100%, soil: 0%; fraction used at main source: 0,2%; fraction tonnage to region: 10%
Technical onsite conditions and measures to reduce or limit discharges, air emissions and releases to soil	spERC: Professional use, AISE, wide dispersive use
Conditions and measures related to municipal sewage treatment plant	Municipal sewage treatment plant discharge: 2000000 L/day

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 3, Annex I.3 and Annex II.2.

9.121.1.2 Contributing Scenario (2) controlling professional worker exposure for PROC 8A

Professional Use of Vehicle cleaning Products Dewaxing product; Semi-Automatic process

Product characteristics	
Duration of activity	30 min/day (<i>justification: Imported Scenario settings from file: AISE_IIusesandexposures021109 Expodauer in Minuten pro Tag.xls</i>)
Other given operational conditions affecting workers exposure	Work is carried out outdoors
Technical conditions and measures to control dispersion and exposure	
Conditions and measures related to personal protection, hygiene and health evaluation	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.121.1.3 Contributing Scenario (3) controlling professional worker exposure for PROC 8A

Professional Use of Vehicle cleaning Products Dewaxing product; Semi-Automatic process

Product characteristics	
Duration of activity	30 min/day (<i>justification: Imported Scenario settings from file: AISE_IIusesandexposures021109 Expodauer in Minuten pro Tag.xls</i>)

Other given operational conditions affecting workers exposure	Work is carried out indoors
Technical conditions and measures to control dispersion and exposure	
Conditions and measures related to personal protection, hygiene and health evaluation	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.121.1.4 Contributing Scenario (4) controlling professional worker exposure for PROC 4

Professional Use of Vehicle cleaning Products Dewaxing product; Semi-Automatic process

Product characteristics	
Duration of activity	480 min/day (<i>justification: Imported Scenario settings from file: AISE_Ilusesandexposures021109 Expodauer in Minuten pro Tag.xls</i>)
Other given operational conditions affecting workers exposure	Work is carried out indoors
Technical conditions and measures to control dispersion and exposure	
Conditions and measures related to personal protection, hygiene and health evaluation	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.121.1.5 Contributing Scenario (5) controlling professional worker exposure for PROC 4

Professional Use of Vehicle cleaning Products Dewaxing product; Semi-Automatic process

Product characteristics	
Duration of activity	480 min/day (<i>justification: Imported Scenario settings from file: AISE_Ilusesandexposures021109 Expodauer in Minuten pro Tag.xls</i>)
Other given operational conditions affecting workers exposure	Work is carried out outdoors

Technical conditions and measures to control dispersion and exposure	
Conditions and measures related to personal protection, hygiene and health evaluation	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.1, Annex I.2.1 and Annex II.1.1.

9.122 Scenario 122: SURFACE CLEANERS (liquid, powder, gel neat, spray neat) for consumer use

This scenario is described by the following combinations of use descriptors. The corresponding contributing scenarios are described in the respective subchapters.

ERC	PROC	PC
ERC11B		

9.122.1 Exposure Scenario

An overall exposure scenario may be described by a number of contributing scenarios which may be subdivided into environmental exposure, worker exposure and consumer exposure.

The following scenarios contribute to the scenario *SURFACE CLEANERS (liquid, powder, gel neat, spray neat) for consumer use*.

The corresponding release to the environment, exposure of workers and consumers resulting from these contributing scenarios is summarized in chapter 10.122 ff.

9.122.1.1 Contributing Scenario (1) controlling environmental exposure for ERC11B

SURFACE CLEANERS (liquid, powder, gel neat, spray neat) for consumer use

Amounts used	100 to per year
Release times per year	365
Environmental factors not influenced by risk management	River flow rate: 18000 m ³ /day
Other given operational conditions affecting environmental exposure	release to: air: 0%, water: 100%, soil: 0%; fraction used at main source: 0,01%; fraction tonnage to region: 10%
Technical onsite conditions and measures to reduce or limit discharges, air emissions and releases to soil	spERC: Consumer use, wide dispersive detergents
Conditions and measures related to municipal sewage treatment plant	Municipal sewage treatment plant discharge: 2000000 L/day

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 3, Annex I.3 and Annex II.2.

9.123 Scenario 123: TOILET CLEANERS (powder, liquid, gel, tablet) for consumer use

This scenario is described by the following combinations of use descriptors. The corresponding contributing scenarios are described in the respective subchapters.

ERC	PROC	PC
ERC11B		PC 35

9.123.1 Exposure Scenario

An overall exposure scenario may be described by a number of contributing scenarios which may be subdivided into environmental exposure, worker exposure and consumer exposure.

The following scenarios contribute to the scenario *TOILET CLEANERS (powder, liquid, gel, tablet) for consumer use*.

The corresponding release to the environment, exposure of workers and consumers resulting from these contributing scenarios is summarized in chapter 10.123 ff.

9.123.1.1 Contributing Scenario (1) controlling environmental exposure for ERC11B

TOILET CLEANERS (powder, liquid, gel, tablet) for consumer use

Amounts used	100 to per year
Release times per year	365
Environmental factors not influenced by risk management	River flow rate: 18000 m ³ /day
Other given operational conditions affecting environmental exposure	release to: air: 0%, water: 100%, soil: 0%; fraction used at main source: 0,01%; fraction tonnage to region: 10%
Technical onsite conditions and measures to reduce or limit discharges, air emissions and releases to soil	spERC: Consumer use, wide dispersive detergents
Conditions and measures related to municipal sewage treatment plant	Municipal sewage treatment plant discharge: 2000000 L/day

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 3, Annex I.3 and Annex II.2.

9.123.1.2 Contributing Scenario (2) controlling consumer exposure for PC 35

TOILET CLEANERS (powder, liquid, gel, tablet) for consumer use

Product characteristics	
Product subcategory	Laundry and dish washing products
Amount used per application	35 g; product ingredient fraction by weight: dermal: 60%, inhalation: 60%
Frequency of use	50 times/year; exposure time: 1 h
Human factors not influenced by risk management	skin surface area dermal: fingertips
Other given operational conditions affecting consumers exposure	Room volume: 20 m ³
Conditions and measures related to personal protection and hygiene	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.2, Annex I.2.2 and Annex II.1.2.

9.124 Scenario 124: Use of Air Care Products See consumer uses table

This scenario is described by the following combinations of use descriptors. The corresponding contributing scenarios are described in the respective subchapters.

ERC	PROC	PC
ERC8A		

9.124.1 Exposure Scenario

An overall exposure scenario may be described by a number of contributing scenarios which may be subdivided into environmental exposure, worker exposure and consumer exposure.

The following scenarios contribute to the scenario *Use of Air Care Products See consumer uses table*.

The corresponding release to the environment, exposure of workers and consumers resulting from these contributing scenarios is summarized in chapter 10.124 ff.

9.124.1.1 Contributing Scenario (1) controlling environmental exposure for ERC8A

Use of Air Care Products See consumer uses table

Amounts used	100 to per year
Release times per year	365
Environmental factors not influenced by risk management	River flow rate: 18000 m ³ /day

Other given operational conditions affecting environmental exposure	release to: air: 0,1%, water: 100%, soil: 0%; fraction used at main source: 0,2%; fraction tonnage to region: 10%
Technical onsite conditions and measures to reduce or limit discharges, air emissions and releases to soil	spERC: Professional use, AISE, wide dispersive use
Conditions and measures related to municipal sewage treatment plant	Municipal sewage treatment plant discharge: 2000000 L/day

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 3, Annex I.3 and Annex II.2.

9.125 Scenario 125: WATER SOFTENERS (powder, liquids, tabs) for consumer use

This scenario is described by the following combinations of use descriptors. The corresponding contributing scenarios are described in the respective subchapters.

ERC	PROC	PC
ERC11B		PC 35

9.125.1 Exposure Scenario

An overall exposure scenario may be described by a number of contributing scenarios which may be subdivided into environmental exposure, worker exposure and consumer exposure.

The following scenarios contribute to the scenario *WATER SOFTENERS (powder, liquids, tabs) for consumer use*.

The corresponding release to the environment, exposure of workers and consumers resulting from these contributing scenarios is summarized in chapter 10.125 ff.

9.125.1.1 Contributing Scenario (1) controlling environmental exposure for ERC11B

WATER SOFTENERS (powder, liquids, tabs) for consumer use

Amounts used	100 to per year
Release times per year	365
Environmental factors not influenced by risk management	River flow rate: 18000 m ³ /day
Other given operational conditions affecting environmental exposure	release to: air: 0%, water: 100%, soil: 0%; fraction used at main source: 0,01%; fraction tonnage to region: 10%

Technical onsite conditions and measures to reduce or limit discharges, air emissions and releases to soil	spERC: Consumer use, wide dispersive detergents
Conditions and measures related to municipal sewage treatment plant	Municipal sewage treatment plant discharge: 2000000 L/day

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 3, Annex I.3 and Annex II.2.

9.125.1.2 Contributing Scenario (2) controlling consumer exposure for PC 35 *WATER SOFTENERS (powder, liquids, tabs) for consumer use*

Product characteristics	
Product subcategory	Laundry and dish washing products
Amount used per application	60 g; product ingredient fraction by weight: dermal: 60%, inhalation: 60%
Frequency of use	100 times/year; exposure time: 1 h
Human factors not influenced by risk management	skin surface area dermal: fingertips
Other given operational conditions affecting consumers exposure	Room volume: 20 m ³
Conditions and measures related to personal protection and hygiene	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.2, Annex I.2.2 and Annex II.1.2.

9.126 Scenario 126: WIPES (bathroom, kitchen, floor) for consumer use

This scenario is described by the following combinations of use descriptors. The corresponding contributing scenarios are described in the respective subchapters.

ERC	PROC	PC
ERC11B		PC 35

9.126.1 Exposure Scenario

An overall exposure scenario may be described by a number of contributing scenarios which may be subdivided into environmental exposure, worker exposure and consumer exposure.

The following scenarios contribute to the scenario *WIPES (bathroom, kitchen, floor) for consumer use*.

The corresponding release to the environment, exposure of workers and consumers resulting from these contributing scenarios is summarized in chapter 10.126 ff.

9.126.1.1 Contributing Scenario (1) controlling environmental exposure for ERC11B

WIPES (bathroom, kitchen, floor) for consumer use

Amounts used	100 to per year
Release times per year	365
Environmental factors not influenced by risk management	River flow rate: 18000 m ³ /day
Other given operational conditions affecting environmental exposure	release to: air: 0%, water: 100%, soil: 0%; fraction used at main source: 0,01%; fraction tonnage to region: 10%
Technical onsite conditions and measures to reduce or limit discharges, air emissions and releases to soil	spERC: Consumer use, wide dispersive detergents
Conditions and measures related to municipal sewage treatment plant	Municipal sewage treatment plant discharge: 2000000 L/day

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 3, Annex I.3 and Annex II.2.

9.126.1.2 Contributing Scenario (2) controlling consumer exposure for PC 35

WIPES (bathroom, kitchen, floor) for consumer use

Product characteristics	
Product subcategory	Laundry and dish washing products
Amount used per application	26 g; product ingredient fraction by weight: dermal: 60%, inhalation: 60%
Frequency of use	100 times/year; exposure time: 1 h
Human factors not influenced by risk management	skin surface area dermal: inside hands / one hand / palm of hands
Other given operational conditions affecting consumers exposure	Room volume: 20 m ³
Conditions and measures related to personal protection and hygiene	

More details on the individual use conditions, applied algorithms and default values of this scenario are summarized in the attached EasyTRA report under chapters 2.2, Annex I.2.2 and Annex II.1.2.

10. RISK CHARACTERISATION

The scenarios described in chapter 9 ff result in an exposure of environment, workers and consumers. In order to determine if this specific exposure is safe for a specific scenario, the exposure is put into relation to the corresponding indicative reference value (e.g. DNEL, PNEC). The resulting risk characterisation ratio (RCR) indicates if the specific scenario is safe or not. In addition to individual exposure estimates also exposure from combined routes and compartments are displayed, as well as combined exposure from different scenarios.

10.1 Scenario 1: AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use

The following RCR calculations refer to the contributing scenarios described in chapter 9.1

10.1.1 Contributing Scenario (1) controlling environmental exposure for ERC11B

AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use

The quantitative risk characterisation for this environmental exposure has been calculated using EasyTRA.

The environmental exposure calculation per compartment is based on the algorithms of the EU TGD 2003 Risk Assessment Spreadsheet Model 1.24a.

10.1.1.1 Aquatic compartment (including sediment)

Compartments	PEC	PNEC	RCR = PEC/PNEC
Freshwater	0.003091 mg/L	0.100 mg/L	0.030908
Freshwater sediment	0.018307 mg/kg _{dwt}	0.292 mg/kg _{dwt}	0.062695
Marine water	0.000297 mg/L	0.010 mg/L	0.029741
Marine water sediment	0.001762 mg/kg _{dwt}	0.0292 mg/kg _{dwt}	0.060327

10.1.1.2 Terrestrial compartment

Compartments	PEC	PNEC	RCR = PEC/PNEC
Agricultural soil	0.00003 mg/kg _{dwt}	13.1 mg/kg _{dwt}	2.28E-6
Grassland	0.000022 mg/kg _{dwt}	13.1 mg/kg _{dwt}	1.70E-6

10.1.1.3 Microbiological activity in sewage treatment systems

Compartments	PEC	PNEC	RCR = PEC/PNEC
STP	0.000031 mg/L	50 mg/L	6.20E-7

10.1.1.4 Secondary poisoning / Man via environment

Secondary poisoning considers indirect exposure of man via foods, air and drinking water. The following table shows the calculated exposure to the substance from exemplary food sources at different trophic levels together with the total exposure over all routes and food sources.

Food source	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
Fish	7.15E-6 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-7
Root crop	3.33E-7 mg/kg _{bw} /day	10 mg/kg _{bw} /day	3.33E-8
Leaf crop	0.00001 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.00E-6
Milk	1.33E-8 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.33E-9
Meat	7.15E-10 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-11
Drinking water	0.000088 mg/kg _{bw} /day	10 mg/kg _{bw} /day	8.82E-6
inhalation	2.57E-11 mg/kg _{bw} /day	10 mg/kg _{bw} /day	2.57E-12
Total	0.000011 mg/kg _{bw} /day	10 mg/kg _{bw} /day	0.000011

10.1.2 Contributing Scenario (2) controlling consumer exposure for PC 3

AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use

The quantitative risk characterisation for this consumer exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the oral, dermal and inhalatory route together with the total exposure of consumers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	-	-	-
inhalation	35 mg/m ³	350 mg/m ³	0.100
oral	-	-	-
Combined routes	0.199913 mg/kg _{bw} /day	-	0.100

10.2 Scenario 2: AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substrate (gel), candles, diffusers (heated) for consumer

use

The following RCR calculations refer to the contributing scenarios described in chapter 9.2

10.2.1 Contributing Scenario (1) controlling environmental exposure for ERC11B

AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substrate (gel), candles, diffusers (heated) for consumer use

The quantitative risk characterisation for this environmental exposure has been calculated using EasyTRA.

The environmental exposure calculation per compartment is based on the algorithms of the EU TGD 2003 Risk Assessment Spreadsheet Model 1.24a.

10.2.1.1 Aquatic compartment (including sediment)

Compartments	PEC	PNEC	RCR = PEC/PNEC
Freshwater	0.003091 mg/L	0.100 mg/L	0.030908
Freshwater sediment	0.018307 mg/kg _{dwt}	0.292 mg/kg _{dwt}	0.062695
Marine water	0.000297 mg/L	0.010 mg/L	0.029741
Marine water sediment	0.001762 mg/kg _{dwt}	0.0292 mg/kg _{dwt}	0.060327

10.2.1.2 Terrestrial compartment

Compartments	PEC	PNEC	RCR = PEC/PNEC
Agricultural soil	0.00003 mg/kg _{dwt}	13.1 mg/kg _{dwt}	2.28E-6
Grassland	0.000022 mg/kg _{dwt}	13.1 mg/kg _{dwt}	1.70E-6

10.2.1.3 Microbiological activity in sewage treatment systems

Compartments	PEC	PNEC	RCR = PEC/PNEC
STP	0.000031 mg/L	50 mg/L	6.20E-7

10.2.1.4 Secondary poisoning / Man via environment

Secondary poisoning considers indirect exposure of man via foods, air and drinking water. The following table shows the calculated exposure to the substance from exemplary food sources at different trophic levels together with the total exposure over all routes and food sources.

Food source	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
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Food source	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
Fish	7.15E-6 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-7
Root crop	3.33E-7 mg/kg _{bw} /day	10 mg/kg _{bw} /day	3.33E-8
Leaf crop	0.00001 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.00E-6
Milk	1.33E-8 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.33E-9
Meat	7.15E-10 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-11
Drinking water	0.000088 mg/kg _{bw} /day	10 mg/kg _{bw} /day	8.82E-6
inhalation	2.57E-11 mg/kg _{bw} /day	10 mg/kg _{bw} /day	2.57E-12
Total	0.000011 mg/kg _{bw} /day	10 mg/kg _{bw} /day	0.000011

10.2.2 Contributing Scenario (2) controlling consumer exposure for PC 3

AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substate (gel), candles, diffusers (heated) for consumer use

The quantitative risk characterisation for this consumer exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the oral, dermal and inhalatory route together with the total exposure of consumers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	0.05955 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.001191
inhalation	1.45E-7 mg/m ³	350 mg/m ³	4.14E-10
oral	-	-	-
Combined routes	0.05955 mg/kg _{bw} /day	-	0.001191

10.3 Scenario 3: Automotive Care (spray, liquid)

The following RCR calculations refer to the contributing scenarios described in chapter 9.3

10.3.1 Contributing Scenario (1) controlling environmental exposure for ERC11B

Automotive Care (spray, liquid)

The quantitative risk characterisation for this environmental exposure has been calculated using EasyTRA.

The environmental exposure calculation per compartment is based on the algorithms of the EU TGD 2003 Risk Assessment Spreadsheet Model 1.24a.

10.3.1.1 Aquatic compartment (including sediment)

Compartments	PEC	PNEC	RCR = PEC/PNEC
Freshwater	0.003091 mg/L	0.100 mg/L	0.030908
Freshwater sediment	0.018307 mg/kg _{dwt}	0.292 mg/kg _{dwt}	0.062695
Marine water	0.000297 mg/L	0.010 mg/L	0.029741
Marine water sediment	0.001762 mg/kg _{dwt}	0.0292 mg/kg _{dwt}	0.060327

10.3.1.2 Terrestrial compartment

Compartments	PEC	PNEC	RCR = PEC/PNEC
Agricultural soil	0.00003 mg/kg _{dwt}	13.1 mg/kg _{dwt}	2.28E-6
Grassland	0.000022 mg/kg _{dwt}	13.1 mg/kg _{dwt}	1.70E-6

10.3.1.3 Microbiological activity in sewage treatment systems

Compartments	PEC	PNEC	RCR = PEC/PNEC
STP	0.000031 mg/L	50 mg/L	6.20E-7

10.3.1.4 Secondary poisoning / Man via environment

Secondary poisoning considers indirect exposure of man via foods, air and drinking water. The following table shows the calculated exposure to the substance from exemplary food sources at different trophic levels together with the total exposure over all routes and food sources.

Food source	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
Fish	7.15E-6 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-7
Root crop	3.33E-7 mg/kg _{bw} /day	10 mg/kg _{bw} /day	3.33E-8
Leaf crop	0.00001 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.00E-6
Milk	1.33E-8 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.33E-9
Meat	7.15E-10 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-11
Drinking water	0.000088 mg/kg _{bw} /day	10 mg/kg _{bw} /day	8.82E-6

Food source	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
inhalation	2.57E-11 mg/kg _{bw} /day	10 mg/kg _{bw} /day	2.57E-12
Total	0.000011 mg/kg _{bw} /day	10 mg/kg _{bw} /day	0.000011

10.4 Scenario 4: CARPET CLEANERS (spray, liquid) for consumer use

The following RCR calculations refer to the contributing scenarios described in chapter 9.4

10.4.1 Contributing Scenario (1) controlling environmental exposure for ERC11B

CARPET CLEANERS (spray, liquid) for consumer use

The quantitative risk characterisation for this environmental exposure has been calculated using EasyTRA.

The environmental exposure calculation per compartment is based on the algorithms of the EU TGD 2003 Risk Assessment Spreadsheet Model 1.24a.

10.4.1.1 Aquatic compartment (including sediment)

Compartments	PEC	PNEC	RCR = PEC/PNEC
Freshwater	0.003091 mg/L	0.100 mg/L	0.030908
Freshwater sediment	0.018307 mg/kg _{dwt}	0.292 mg/kg _{dwt}	0.062695
Marine water	0.000297 mg/L	0.010 mg/L	0.029741
Marine water sediment	0.001762 mg/kg _{dwt}	0.0292 mg/kg _{dwt}	0.060327

10.4.1.2 Terrestrial compartment

Compartments	PEC	PNEC	RCR = PEC/PNEC
Agricultural soil	0.00003 mg/kg _{dwt}	13.1 mg/kg _{dwt}	2.28E-6
Grassland	0.000022 mg/kg _{dwt}	13.1 mg/kg _{dwt}	1.70E-6

10.4.1.3 Microbiological activity in sewage treatment systems

Compartments	PEC	PNEC	RCR = PEC/PNEC
STP	0.000031 mg/L	50 mg/L	6.20E-7

10.4.1.4 Secondary poisoning / Man via environment

Secondary poisoning considers indirect exposure of man via foods, air and drinking water. The following table shows the calculated exposure to the substance from exemplary food sources at different trophic levels together with the total exposure over all routes and food sources.

Food source	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
Fish	7.15E-6 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-7
Root crop	3.33E-7 mg/kg _{bw} /day	10 mg/kg _{bw} /day	3.33E-8
Leaf crop	0.00001 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.00E-6
Milk	1.33E-8 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.33E-9
Meat	7.15E-10 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-11
Drinking water	0.000088 mg/kg _{bw} /day	10 mg/kg _{bw} /day	8.82E-6
inhalation	2.57E-11 mg/kg _{bw} /day	10 mg/kg _{bw} /day	2.57E-12
Total	0.000011 mg/kg _{bw} /day	10 mg/kg _{bw} /day	0.000011

10.4.2 Contributing Scenario (2) controlling consumer exposure for PC 35 *CARPET CLEANERS (spray, liquid) for consumer use*

The quantitative risk characterisation for this consumer exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the oral, dermal and inhalatory route together with the total exposure of consumers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	0.09789 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.001958
inhalation	8.219 mg/m ³	350 mg/m ³	0.023483
oral	-	-	-
Combined routes	0.285676 mg/kg _{bw} /day	-	0.025441

10.5 Scenario 5: DESCALERS

The following RCR calculations refer to the contributing scenarios described in chapter 9.5

10.5.1 Contributing Scenario (1) controlling environmental exposure for ERC11B DESCALERS

The quantitative risk characterisation for this environmental exposure has been calculated using EasyTRA.

The environmental exposure calculation per compartment is based on the algorithms of the EU TGD 2003 Risk Assessment Spreadsheet Model 1.24a.

10.5.1.1 Aquatic compartment (including sediment)

Compartments	PEC	PNEC	RCR = PEC/PNEC
Freshwater	0.003091 mg/L	0.100 mg/L	0.030908
Freshwater sediment	0.018307 mg/kg _{dwt}	0.292 mg/kg _{dwt}	0.062695
Marine water	0.000297 mg/L	0.010 mg/L	0.029741
Marine water sediment	0.001762 mg/kg _{dwt}	0.0292 mg/kg _{dwt}	0.060327

10.5.1.2 Terrestrial compartment

Compartments	PEC	PNEC	RCR = PEC/PNEC
Agricultural soil	0.00003 mg/kg _{dwt}	13.1 mg/kg _{dwt}	2.28E-6
Grassland	0.000022 mg/kg _{dwt}	13.1 mg/kg _{dwt}	1.70E-6

10.5.1.3 Microbiological activity in sewage treatment systems

Compartments	PEC	PNEC	RCR = PEC/PNEC
STP	0.000031 mg/L	50 mg/L	6.20E-7

10.5.1.4 Secondary poisoning / Man via environment

Secondary poisoning considers indirect exposure of man via foods, air and drinking water. The following table shows the calculated exposure to the substance from exemplary food sources at different trophic levels together with the total exposure over all routes and food sources.

Food source	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
Fish	7.15E-6 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-7
Root crop	3.33E-7 mg/kg _{bw} /day	10 mg/kg _{bw} /day	3.33E-8
Leaf crop	0.00001 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.00E-6
Milk	1.33E-8 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.33E-9

Food source	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
Meat	7.15E-10 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-11
Drinking water	0.000088 mg/kg _{bw} /day	10 mg/kg _{bw} /day	8.82E-6
inhalation	2.57E-11 mg/kg _{bw} /day	10 mg/kg _{bw} /day	2.57E-12
Total	0.000011 mg/kg _{bw} /day	10 mg/kg _{bw} /day	0.000011

10.5.2 Contributing Scenario (2) controlling consumer exposure for PC 35 DESCALERS

The quantitative risk characterisation for this consumer exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the oral, dermal and inhalatory route together with the total exposure of consumers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	0.978904 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.019578
inhalation	0.246575 mg/m ³	350 mg/m ³	0.000705
oral	-	-	-
Combined routes	0.984538 mg/kg _{bw} /day	-	0.020283

10.6 Scenario 6: DRAIN PRODUCTS (powder, gel)

The following RCR calculations refer to the contributing scenarios described in chapter 9.6

10.6.1 Contributing Scenario (1) controlling environmental exposure for ERC11B

DRAIN PRODUCTS (powder, gel)

The quantitative risk characterisation for this environmental exposure has been calculated using EasyTRA.

The environmental exposure calculation per compartment is based on the algorithms of the EU TGD 2003 Risk Assessment Spreadsheet Model 1.24a.

10.6.1.1 Aquatic compartment (including sediment)

Compartments	PEC	PNEC	RCR = PEC/PNEC
Freshwater	0.003091 mg/L	0.100 mg/L	0.030908
Freshwater sediment	0.018307 mg/kg _{dwt}	0.292 mg/kg _{dwt}	0.062695
Marine water	0.000297 mg/L	0.010 mg/L	0.029741
Marine water sediment	0.001762 mg/kg _{dwt}	0.0292 mg/kg _{dwt}	0.060327

10.6.1.2 Terrestrial compartment

Compartments	PEC	PNEC	RCR = PEC/PNEC
Agricultural soil	0.00003 mg/kg _{dwt}	13.1 mg/kg _{dwt}	2.28E-6
Grassland	0.000022 mg/kg _{dwt}	13.1 mg/kg _{dwt}	1.70E-6

10.6.1.3 Microbiological activity in sewage treatment systems

Compartments	PEC	PNEC	RCR = PEC/PNEC
STP	0.000031 mg/L	50 mg/L	6.20E-7

10.6.1.4 Secondary poisoning / Man via environment

Secondary poisoning considers indirect exposure of man via foods, air and drinking water. The following table shows the calculated exposure to the substance from exemplary food sources at different trophic levels together with the total exposure over all routes and food sources.

Food source	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
Fish	7.15E-6 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-7
Root crop	3.33E-7 mg/kg _{bw} /day	10 mg/kg _{bw} /day	3.33E-8
Leaf crop	0.00001 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.00E-6
Milk	1.33E-8 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.33E-9
Meat	7.15E-10 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-11
Drinking water	0.000088 mg/kg _{bw} /day	10 mg/kg _{bw} /day	8.82E-6
inhalation	2.57E-11 mg/kg _{bw} /day	10 mg/kg _{bw} /day	2.57E-12
Total	0.000011 mg/kg _{bw} /day	10 mg/kg _{bw} /day	0.000011

10.6.2 Contributing Scenario (2) controlling consumer exposure for PC 35 *DRAIN PRODUCTS (powder, gel)*

The quantitative risk characterisation for this consumer exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the oral, dermal and inhalatory route together with the total exposure of consumers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	0.019578 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.000392
inhalation	0.011507 mg/m ³	350 mg/m ³	0.000033
oral	-	-	-
Combined routes	0.019841 mg/kg _{bw} /day	-	0.000424

10.7 Scenario 7: FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use

The following RCR calculations refer to the contributing scenarios described in chapter 9.7

10.7.1 Contributing Scenario (1) controlling environmental exposure for ERC11B

FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use

The quantitative risk characterisation for this environmental exposure has been calculated using EasyTRA.

The environmental exposure calculation per compartment is based on the algorithms of the EU TGD 2003 Risk Assessment Spreadsheet Model 1.24a.

10.7.1.1 Aquatic compartment (including sediment)

Compartments	PEC	PNEC	RCR = PEC/PNEC
Freshwater	0.003091 mg/L	0.100 mg/L	0.030908
Freshwater sediment	0.018307 mg/kg _{dwt}	0.292 mg/kg _{dwt}	0.062695
Marine water	0.000297 mg/L	0.010 mg/L	0.029741
Marine water sediment	0.001762 mg/kg _{dwt}	0.0292 mg/kg _{dwt}	0.060327

10.7.1.2 Terrestrial compartment

Compartments	PEC	PNEC	RCR = PEC/PNEC
Agricultural soil	0.00003 mg/kg _{dwt}	13.1 mg/kg _{dwt}	2.28E-6

Compartments	PEC	PNEC	RCR = PEC/PNEC
Grassland	0.000022 mg/kg _{dwt}	13.1 mg/kg _{dwt}	1.70E-6

10.7.1.3 Microbiological activity in sewage treatment systems

Compartments	PEC	PNEC	RCR = PEC/PNEC
STP	0.000031 mg/L	50 mg/L	6.20E-7

10.7.1.4 Secondary poisoning / Man via environment

Secondary poisoning considers indirect exposure of man via foods, air and drinking water. The following table shows the calculated exposure to the substance from exemplary food sources at different trophic levels together with the total exposure over all routes and food sources.

Food source	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
Fish	7.15E-6 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-7
Root crop	3.33E-7 mg/kg _{bw} /day	10 mg/kg _{bw} /day	3.33E-8
Leaf crop	0.00001 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.00E-6
Milk	1.33E-8 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.33E-9
Meat	7.15E-10 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-11
Drinking water	0.000088 mg/kg _{bw} /day	10 mg/kg _{bw} /day	8.82E-6
inhalation	2.57E-11 mg/kg _{bw} /day	10 mg/kg _{bw} /day	2.57E-12
Total	0.000011 mg/kg _{bw} /day	10 mg/kg _{bw} /day	0.000011

10.7.2 Contributing Scenario (2) controlling consumer exposure for PC 35 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use

The quantitative risk characterisation for this consumer exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the oral, dermal and inhalatory route together with the total exposure of consumers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
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Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	1.958 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.039156
inhalation	2.219 mg/m ³	350 mg/m ³	0.006341
oral	-	-	-
Combined routes	2.009 mg/kg _{bw} /day	-	0.045497

10.8 Scenario 8: FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use

The following RCR calculations refer to the contributing scenarios described in chapter 9.8

10.8.1 Contributing Scenario (1) controlling environmental exposure for ERC11B

FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use

The quantitative risk characterisation for this environmental exposure has been calculated using EasyTRA.

The environmental exposure calculation per compartment is based on the algorithms of the EU TGD 2003 Risk Assessment Spreadsheet Model 1.24a.

10.8.1.1 Aquatic compartment (including sediment)

Compartments	PEC	PNEC	RCR = PEC/PNEC
Freshwater	0.003091 mg/L	0.100 mg/L	0.030908
Freshwater sediment	0.018307 mg/kg _{dwt}	0.292 mg/kg _{dwt}	0.062695
Marine water	0.000297 mg/L	0.010 mg/L	0.029741
Marine water sediment	0.001762 mg/kg _{dwt}	0.0292 mg/kg _{dwt}	0.060327

10.8.1.2 Terrestrial compartment

Compartments	PEC	PNEC	RCR = PEC/PNEC
Agricultural soil	0.00003 mg/kg _{dwt}	13.1 mg/kg _{dwt}	2.28E-6
Grassland	0.000022 mg/kg _{dwt}	13.1 mg/kg _{dwt}	1.70E-6

10.8.1.3 Microbiological activity in sewage treatment systems

Compartments	PEC	PNEC	RCR = PEC/PNEC
STP	0.000031 mg/L	50 mg/L	6.20E-7

10.8.1.4 Secondary poisoning / Man via environment

Secondary poisoning considers indirect exposure of man via foods, air and drinking water. The following table shows the calculated exposure to the substance from exemplary food sources at different trophic levels together with the total exposure over all routes and food sources.

Food source	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
Fish	7.15E-6 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-7
Root crop	3.33E-7 mg/kg _{bw} /day	10 mg/kg _{bw} /day	3.33E-8
Leaf crop	0.00001 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.00E-6
Milk	1.33E-8 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.33E-9
Meat	7.15E-10 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-11
Drinking water	0.000088 mg/kg _{bw} /day	10 mg/kg _{bw} /day	8.82E-6
inhalation	2.57E-11 mg/kg _{bw} /day	10 mg/kg _{bw} /day	2.57E-12
Total	0.000011 mg/kg _{bw} /day	10 mg/kg _{bw} /day	0.000011

10.8.2 Contributing Scenario (2) controlling consumer exposure for PC 31 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use

The quantitative risk characterisation for this consumer exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the oral, dermal and inhalatory route together with the total exposure of consumers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	0.407877 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.008158
inhalation	0.10274 mg/m ³	350 mg/m ³	0.000294
oral	-	-	-
Combined routes	0.417266 mg/kg _{bw} /day	-	0.008451

10.9 Scenario 9: HAND DISHWASHING (liquid regular, liquid concentrate) for consumer use

The following RCR calculations refer to the contributing scenarios described in chapter 9.9

10.9.1 Contributing Scenario (1) controlling environmental exposure for ERC11B

HAND DISHWASHING (liquid regular, liquid concentrate) for consumer use

The quantitative risk characterisation for this environmental exposure has been calculated using EasyTRA.

The environmental exposure calculation per compartment is based on the algorithms of the EU TGD 2003 Risk Assessment Spreadsheet Model 1.24a.

10.9.1.1 Aquatic compartment (including sediment)

Compartments	PEC	PNEC	RCR = PEC/PNEC
Freshwater	0.003091 mg/L	0.100 mg/L	0.030908
Freshwater sediment	0.018307 mg/kg _{dwt}	0.292 mg/kg _{dwt}	0.062695
Marine water	0.000297 mg/L	0.010 mg/L	0.029741
Marine water sediment	0.001762 mg/kg _{dwt}	0.0292 mg/kg _{dwt}	0.060327

10.9.1.2 Terrestrial compartment

Compartments	PEC	PNEC	RCR = PEC/PNEC
Agricultural soil	0.00003 mg/kg _{dwt}	13.1 mg/kg _{dwt}	2.28E-6
Grassland	0.000022 mg/kg _{dwt}	13.1 mg/kg _{dwt}	1.70E-6

10.9.1.3 Microbiological activity in sewage treatment systems

Compartments	PEC	PNEC	RCR = PEC/PNEC
STP	0.000031 mg/L	50 mg/L	6.20E-7

10.9.1.4 Secondary poisoning / Man via environment

Secondary poisoning considers indirect exposure of man via foods, air and drinking water. The following table shows the calculated exposure to the substance from exemplary food sources at different trophic levels together with the total exposure over all routes and food sources.

Food source	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
Fish	7.15E-6 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-7
Root crop	3.33E-7 mg/kg _{bw} /day	10 mg/kg _{bw} /day	3.33E-8
Leaf crop	0.00001	10 mg/kg _{bw} /day	1.00E-6

Food source	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
	mg/kg _{bw} /day		
Milk	1.33E-8 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.33E-9
Meat	7.15E-10 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-11
Drinking water	0.000088 mg/kg _{bw} /day	10 mg/kg _{bw} /day	8.82E-6
inhalation	2.57E-11 mg/kg _{bw} /day	10 mg/kg _{bw} /day	2.57E-12
Total	0.000011 mg/kg _{bw} /day	10 mg/kg _{bw} /day	0.000011

10.9.2 Contributing Scenario (2) controlling consumer exposure for PC 35 *HAND DISHWASHING (liquid regular, liquid concentrate) for consumer use*

The quantitative risk characterisation for this consumer exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the oral, dermal and inhalatory route together with the total exposure of consumers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	8.575 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.1715
inhalation	0.300 mg/m ³	350 mg/m ³	0.000857
oral	-	-	-
Combined routes	8.582 mg/kg _{bw} /day	-	0.172357

10.10 Scenario 10: High Pressure washers/cleaners

The following RCR calculations refer to the contributing scenarios described in chapter 9.10

10.10.1 Contributing Scenario (1) controlling environmental exposure for ERC11B

High Pressure washers/cleaners

The quantitative risk characterisation for this environmental exposure has been calculated using EasyTRA.

The environmental exposure calculation per compartment is based on the algorithms of the EU TGD 2003 Risk Assessment Spreadsheet Model 1.24a.

10.10.1.1 Aquatic compartment (including sediment)

Compartments	PEC	PNEC	RCR = PEC/PNEC
Freshwater	0.003091 mg/L	0.100 mg/L	0.030908
Freshwater sediment	0.018307 mg/kg _{dwt}	0.292 mg/kg _{dwt}	0.062695
Marine water	0.000297 mg/L	0.010 mg/L	0.029741
Marine water sediment	0.001762 mg/kg _{dwt}	0.0292 mg/kg _{dwt}	0.060327

10.10.1.2 Terrestrial compartment

Compartments	PEC	PNEC	RCR = PEC/PNEC
Agricultural soil	0.00003 mg/kg _{dwt}	13.1 mg/kg _{dwt}	2.28E-6
Grassland	0.000022 mg/kg _{dwt}	13.1 mg/kg _{dwt}	1.70E-6

10.10.1.3 Microbiological activity in sewage treatment systems

Compartments	PEC	PNEC	RCR = PEC/PNEC
STP	0.000031 mg/L	50 mg/L	6.20E-7

10.10.1.4 Secondary poisoning / Man via environment

Secondary poisoning considers indirect exposure of man via foods, air and drinking water. The following table shows the calculated exposure to the substance from exemplary food sources at different trophic levels together with the total exposure over all routes and food sources.

Food source	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
Fish	7.15E-6 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-7
Root crop	3.33E-7 mg/kg _{bw} /day	10 mg/kg _{bw} /day	3.33E-8
Leaf crop	0.00001 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.00E-6
Milk	1.33E-8 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.33E-9
Meat	7.15E-10 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-11
Drinking water	0.000088 mg/kg _{bw} /day	10 mg/kg _{bw} /day	8.82E-6
inhalation	2.57E-11 mg/kg _{bw} /day	10 mg/kg _{bw} /day	2.57E-12
Total	0.000011 mg/kg _{bw} /day	10 mg/kg _{bw} /day	0.000011

10.10.2 Contributing Scenario (2) controlling consumer exposure for PC 35 *High Pressure washers/cleaners*

The quantitative risk characterisation for this consumer exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the oral, dermal and inhalatory route together with the total exposure of consumers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	1.41 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.028192
inhalation	0.049315 mg/m ³	350 mg/m ³	0.000141
oral	-	-	-
Combined routes	1.411 mg/kg _{bw} /day	-	0.028333

10.11 Scenario 11: INSECTICIDES

The following RCR calculations refer to the contributing scenarios described in chapter 9.11

10.11.1 Contributing Scenario (1) controlling environmental exposure for ERC11B *INSECTICIDES*

The quantitative risk characterisation for this environmental exposure has been calculated using EasyTRA.

The environmental exposure calculation per compartment is based on the algorithms of the EU TGD 2003 Risk Assessment Spreadsheet Model 1.24a.

10.11.1.1 Aquatic compartment (including sediment)

Compartments	PEC	PNEC	RCR = PEC/PNEC
Freshwater	0.003091 mg/L	0.100 mg/L	0.030908
Freshwater sediment	0.018307 mg/kg _{dwt}	0.292 mg/kg _{dwt}	0.062695
Marine water	0.000297 mg/L	0.010 mg/L	0.029741
Marine water sediment	0.001762 mg/kg _{dwt}	0.0292 mg/kg _{dwt}	0.060327

10.11.1.2 Terrestrial compartment

Compartments	PEC	PNEC	RCR = PEC/PNEC
Agricultural soil	0.00003 mg/kg _{dwt}	13.1 mg/kg _{dwt}	2.28E-6
Grassland	0.000022 mg/kg _{dwt}	13.1 mg/kg _{dwt}	1.70E-6

10.11.1.3 Microbiological activity in sewage treatment systems

Compartments	PEC	PNEC	RCR = PEC/PNEC
STP	0.000031 mg/L	50 mg/L	6.20E-7

10.11.1.4 Secondary poisoning / Man via environment

Secondary poisoning considers indirect exposure of man via foods, air and drinking water. The following table shows the calculated exposure to the substance from exemplary food sources at different trophic levels together with the total exposure over all routes and food sources.

Food source	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
Fish	7.15E-6 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-7
Root crop	3.33E-7 mg/kg _{bw} /day	10 mg/kg _{bw} /day	3.33E-8
Leaf crop	0.00001 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.00E-6
Milk	1.33E-8 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.33E-9
Meat	7.15E-10 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-11
Drinking water	0.000088 mg/kg _{bw} /day	10 mg/kg _{bw} /day	8.82E-6
inhalation	2.57E-11 mg/kg _{bw} /day	10 mg/kg _{bw} /day	2.57E-12
Total	0.000011 mg/kg _{bw} /day	10 mg/kg _{bw} /day	0.000011

10.11.2 Contributing Scenario (2) controlling consumer exposure for AC 5 *INSECTICIDES*

The quantitative risk characterisation for this consumer exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the oral, dermal and inhalatory route together with the total exposure of consumers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	1.958 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.039155
inhalation	0.000068 mg/m ³	350 mg/m ³	1.96E-7
oral	0.136986	50 mg/kg _{bw} /day	0.00274

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
	mg/kg _{bw} /day		
Combined routes	2.095 mg/kg _{bw} /day	-	0.041895

10.12 Scenario 12: Industrial Use of Façade/surface Cleaning Products Façade/surface cleaner; High pressure process

The following RCR calculations refer to the contributing scenarios described in chapter 9.12

10.12.1 Contributing Scenario (1) controlling environmental exposure for ERC4 *Industrial Use of Façade/surface Cleaning Products Façade/surface cleaner; High pressure process*

The quantitative risk characterisation for this environmental exposure has been calculated using EasyTRA.

The environmental exposure calculation per compartment is based on the algorithms of the EU TGD 2003 Risk Assessment Spreadsheet Model 1.24a.

10.12.1.1 Aquatic compartment (including sediment)

Compartments	PEC	PNEC	RCR = PEC/PNEC
Freshwater	0.031364 mg/L	0.100 mg/L	0.313639
Freshwater sediment	0.185768 mg/kg _{dwt}	0.292 mg/kg _{dwt}	0.636193
Marine water	0.003125 mg/L	0.010 mg/L	0.312472
Marine water sediment	0.018508 mg/kg _{dwt}	0.0292 mg/kg _{dwt}	0.633825

10.12.1.2 Terrestrial compartment

Compartments	PEC	PNEC	RCR = PEC/PNEC
Agricultural soil	0.077276 mg/kg _{dwt}	13.1 mg/kg _{dwt}	0.005899
Grassland	0.008636 mg/kg _{dwt}	13.1 mg/kg _{dwt}	0.000659

10.12.1.3 Microbiological activity in sewage treatment systems

Compartments	PEC	PNEC	RCR = PEC/PNEC
STP	0.282772 mg/L	50 mg/L	0.005655

10.12.1.4 Secondary poisoning / Man via environment

Secondary poisoning considers indirect exposure of man via foods, air and drinking

water. The following table shows the calculated exposure to the substance from exemplary food sources at different trophic levels together with the total exposure over all routes and food sources.

Food source	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
Fish	7.15E-6 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-7
Root crop	3.33E-7 mg/kg _{bw} /day	10 mg/kg _{bw} /day	3.33E-8
Leaf crop	0.00001 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.00E-6
Milk	1.33E-8 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.33E-9
Meat	7.15E-10 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-11
Drinking water	0.000088 mg/kg _{bw} /day	10 mg/kg _{bw} /day	8.82E-6
inhalation	2.57E-11 mg/kg _{bw} /day	10 mg/kg _{bw} /day	2.57E-12
Total	0.000011 mg/kg _{bw} /day	10 mg/kg _{bw} /day	0.000011

10.12.2 Contributing Scenario (2) controlling industrial worker exposure for PROC 7

Industrial Use of Façade/surface Cleaning Products Façade/surface cleaner; High pressure process

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	0.428571 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.008571
inhalation	0.13125 mg/m ³	350 mg/m ³	0.000375
Combined routes	0.447321 mg/kg _{bw} /day	-	0.008946

10.12.3 Contributing Scenario (3) controlling industrial worker exposure for PROC 8A

Industrial Use of Façade/surface Cleaning Products Façade/surface cleaner; High pressure process

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	0.137143 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.002743
inhalation	0.13125 mg/m ³	350 mg/m ³	0.000375
Combined routes	0.155893 mg/kg _{bw} /day	-	0.003118

10.13 Scenario 13: Industrial Use of Façade/surface Cleaning Products Façade/surface cleaner; Medium pressure process

The following RCR calculations refer to the contributing scenarios described in chapter 9.13

10.13.1 Contributing Scenario (1) controlling environmental exposure for ERC4 *Industrial Use of Façade/surface Cleaning Products Façade/surface cleaner; Medium pressure process*

The quantitative risk characterisation for this environmental exposure has been calculated using EasyTRA.

The environmental exposure calculation per compartment is based on the algorithms of the EU TGD 2003 Risk Assessment Spreadsheet Model 1.24a.

10.13.1.1 Aquatic compartment (including sediment)

Compartments	PEC	PNEC	RCR = PEC/PNEC
Freshwater	0.031364 mg/L	0.100 mg/L	0.313639
Freshwater sediment	0.185768 mg/kg _{dwt}	0.292 mg/kg _{dwt}	0.636193
Marine water	0.003125 mg/L	0.010 mg/L	0.312472
Marine water sediment	0.018508 mg/kg _{dwt}	0.0292 mg/kg _{dwt}	0.633825

10.13.1.2 Terrestrial compartment

Compartments	PEC	PNEC	RCR = PEC/PNEC
Agricultural soil	0.077276 mg/kg _{dwt}	13.1 mg/kg _{dwt}	0.005899
Grassland	0.008636 mg/kg _{dwt}	13.1 mg/kg _{dwt}	0.000659

10.13.1.3 Microbiological activity in sewage treatment systems

Compartments	PEC	PNEC	RCR = PEC/PNEC
STP	0.282772 mg/L	50 mg/L	0.005655

10.13.1.4 Secondary poisoning / Man via environment

Secondary poisoning considers indirect exposure of man via foods, air and drinking water. The following table shows the calculated exposure to the substance from exemplary food sources at different trophic levels together with the total exposure over all routes and food sources.

Food source	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
Fish	7.15E-6 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-7
Root crop	3.33E-7 mg/kg _{bw} /day	10 mg/kg _{bw} /day	3.33E-8
Leaf crop	0.00001 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.00E-6
Milk	1.33E-8 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.33E-9
Meat	7.15E-10 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-11
Drinking water	0.000088 mg/kg _{bw} /day	10 mg/kg _{bw} /day	8.82E-6
inhalation	2.57E-11 mg/kg _{bw} /day	10 mg/kg _{bw} /day	2.57E-12
Total	0.000011 mg/kg _{bw} /day	10 mg/kg _{bw} /day	0.000011

10.13.2 Contributing Scenario (2) controlling industrial worker exposure for PROC 11

Industrial Use of Façade/surface Cleaning Products Façade/surface cleaner; Medium pressure process

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	1.071 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.021429
inhalation	-	-	-
Combined routes	1.071 mg/kg _{bw} /day	-	0.021429

10.13.3 Contributing Scenario (3) controlling industrial worker exposure for PROC 8A

Industrial Use of Façade/surface Cleaning Products Façade/surface cleaner; Medium pressure process

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	0.137143 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.002743
inhalation	0.13125 mg/m ³	350 mg/m ³	0.000375
Combined routes	0.155893 mg/kg _{bw} /day	-	0.003118

10.14 Scenario 14: Industrial Use of Vehicle cleaning Products Boat cleaner; Manual process

The following RCR calculations refer to the contributing scenarios described in chapter 9.14

10.14.1 Contributing Scenario (1) controlling environmental exposure for ERC4 *Industrial Use of Vehicle cleaning Products Boat cleaner; Manual process*

The quantitative risk characterisation for this environmental exposure has been calculated using EasyTRA.

The environmental exposure calculation per compartment is based on the algorithms of the EU TGD 2003 Risk Assessment Spreadsheet Model 1.24a.

10.14.1.1 Aquatic compartment (including sediment)

Compartments	PEC	PNEC	RCR = PEC/PNEC
Freshwater	0.031364 mg/L	0.100 mg/L	0.313639
Freshwater sediment	0.185768 mg/kg _{dwt}	0.292 mg/kg _{dwt}	0.636193
Marine water	0.003125 mg/L	0.010 mg/L	0.312472
Marine water sediment	0.018508 mg/kg _{dwt}	0.0292 mg/kg _{dwt}	0.633825

10.14.1.2 Terrestrial compartment

Compartments	PEC	PNEC	RCR = PEC/PNEC
Agricultural soil	0.077276 mg/kg _{dwt}	13.1 mg/kg _{dwt}	0.005899
Grassland	0.008636 mg/kg _{dwt}	13.1 mg/kg _{dwt}	0.000659

10.14.1.3 Microbiological activity in sewage treatment systems

Compartments	PEC	PNEC	RCR = PEC/PNEC
STP	0.282772 mg/L	50 mg/L	0.005655

10.14.1.4 Secondary poisoning / Man via environment

Secondary poisoning considers indirect exposure of man via foods, air and drinking water. The following table shows the calculated exposure to the substance from exemplary food sources at different trophic levels together with the total exposure over all routes and food sources.

Food source	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
Fish	7.15E-6 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-7
Root crop	3.33E-7 mg/kg _{bw} /day	10 mg/kg _{bw} /day	3.33E-8
Leaf crop	0.00001 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.00E-6
Milk	1.33E-8 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.33E-9
Meat	7.15E-10 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-11
Drinking water	0.000088 mg/kg _{bw} /day	10 mg/kg _{bw} /day	8.82E-6
inhalation	2.57E-11 mg/kg _{bw} /day	10 mg/kg _{bw} /day	2.57E-12
Total	0.000011 mg/kg _{bw} /day	10 mg/kg _{bw} /day	0.000011

10.14.2 Contributing Scenario (2) controlling industrial worker exposure for PROC 10

Industrial Use of Vehicle cleaning Products Boat cleaner; Manual process

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	0.274286 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.005486
inhalation	1.312 mg/m ³	350 mg/m ³	0.00375
Combined routes	0.461786 mg/kg _{bw} /day	-	0.009236

10.14.3 Contributing Scenario (3) controlling industrial worker exposure for PROC 8A

Industrial Use of Vehicle cleaning Products Boat cleaner; Manual process

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	0.137143 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.002743
inhalation	0.2625 mg/m ³	350 mg/m ³	0.00075
Combined routes	0.174643 mg/kg _{bw} /day	-	0.003493

10.15 Scenario 15: Industrial Use of Vehicle cleaning Products Boat cleaner; Spray and wipe manual process

The following RCR calculations refer to the contributing scenarios described in chapter 9.15

10.15.1 Contributing Scenario (1) controlling environmental exposure for ERC4

Industrial Use of Vehicle cleaning Products Boat cleaner; Spray and wipe manual process

The quantitative risk characterisation for this environmental exposure has been calculated using EasyTRA.

The environmental exposure calculation per compartment is based on the algorithms of the EU TGD 2003 Risk Assessment Spreadsheet Model 1.24a.

10.15.1.1 Aquatic compartment (including sediment)

Compartments	PEC	PNEC	RCR = PEC/PNEC
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Compartments	PEC	PNEC	RCR = PEC/PNEC
Freshwater	0.031364 mg/L	0.100 mg/L	0.313639
Freshwater sediment	0.185768 mg/kg _{dwt}	0.292 mg/kg _{dwt}	0.636193
Marine water	0.003125 mg/L	0.010 mg/L	0.312472
Marine water sediment	0.018508 mg/kg _{dwt}	0.0292 mg/kg _{dwt}	0.633825

10.15.1.2 Terrestrial compartment

Compartments	PEC	PNEC	RCR = PEC/PNEC
Agricultural soil	0.077276 mg/kg _{dwt}	13.1 mg/kg _{dwt}	0.005899
Grassland	0.008636 mg/kg _{dwt}	13.1 mg/kg _{dwt}	0.000659

10.15.1.3 Microbiological activity in sewage treatment systems

Compartments	PEC	PNEC	RCR = PEC/PNEC
STP	0.282772 mg/L	50 mg/L	0.005655

10.15.1.4 Secondary poisoning / Man via environment

Secondary poisoning considers indirect exposure of man via foods, air and drinking water. The following table shows the calculated exposure to the substance from exemplary food sources at different trophic levels together with the total exposure over all routes and food sources.

Food source	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
Fish	7.15E-6 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-7
Root crop	3.33E-7 mg/kg _{bw} /day	10 mg/kg _{bw} /day	3.33E-8
Leaf crop	0.00001 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.00E-6
Milk	1.33E-8 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.33E-9
Meat	7.15E-10 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-11
Drinking water	0.000088 mg/kg _{bw} /day	10 mg/kg _{bw} /day	8.82E-6
inhalation	2.57E-11 mg/kg _{bw} /day	10 mg/kg _{bw} /day	2.57E-12
Total	0.000011 mg/kg _{bw} /day	10 mg/kg _{bw} /day	0.000011

10.15.2 Contributing Scenario (2) controlling industrial worker exposure for

PROC 11

Industrial Use of Vehicle cleaning Products Boat cleaner; Spray and wipe manual process

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	1.071 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.021429
inhalation	-	-	-
Combined routes	1.071 mg/kg _{bw} /day	-	0.021429

10.15.3 Contributing Scenario (3) controlling industrial worker exposure for PROC 8A

Industrial Use of Vehicle cleaning Products Boat cleaner; Spray and wipe manual process

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	0.137143 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.002743
inhalation	0.2625 mg/m ³	350 mg/m ³	0.00075
Combined routes	0.174643 mg/kg _{bw} /day	-	0.003493

10.16 Scenario 16: Industrial Use of Vehicle cleaning Products Car wash product; Semi-Automatic process

The following RCR calculations refer to the contributing scenarios described in chapter 9.16

10.16.1 Contributing Scenario (1) controlling environmental exposure for ERC4

Industrial Use of Vehicle cleaning Products Car wash product; Semi-Automatic process

The quantitative risk characterisation for this environmental exposure has been calculated using EasyTRA.

The environmental exposure calculation per compartment is based on the algorithms of the EU TGD 2003 Risk Assessment Spreadsheet Model 1.24a.

10.16.1.1 Aquatic compartment (including sediment)

Compartments	PEC	PNEC	RCR = PEC/PNEC
Freshwater	0.031364 mg/L	0.100 mg/L	0.313639
Freshwater sediment	0.185768 mg/kg _{dwt}	0.292 mg/kg _{dwt}	0.636193
Marine water	0.003125 mg/L	0.010 mg/L	0.312472
Marine water sediment	0.018508 mg/kg _{dwt}	0.0292 mg/kg _{dwt}	0.633825

10.16.1.2 Terrestrial compartment

Compartments	PEC	PNEC	RCR = PEC/PNEC
Agricultural soil	0.077276 mg/kg _{dwt}	13.1 mg/kg _{dwt}	0.005899
Grassland	0.008636 mg/kg _{dwt}	13.1 mg/kg _{dwt}	0.000659

10.16.1.3 Microbiological activity in sewage treatment systems

Compartments	PEC	PNEC	RCR = PEC/PNEC
STP	0.282772 mg/L	50 mg/L	0.005655

10.16.1.4 Secondary poisoning / Man via environment

Secondary poisoning considers indirect exposure of man via foods, air and drinking water. The following table shows the calculated exposure to the substance from exemplary food sources at different trophic levels together with the total exposure over all routes and food sources.

Food source	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
Fish	7.15E-6 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-7
Root crop	3.33E-7 mg/kg _{bw} /day	10 mg/kg _{bw} /day	3.33E-8
Leaf crop	0.00001 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.00E-6
Milk	1.33E-8 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.33E-9
Meat	7.15E-10 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-11
Drinking water	0.000088 mg/kg _{bw} /day	10 mg/kg _{bw} /day	8.82E-6

Food source	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
inhalation	2.57E-11 mg/kg _{bw} /day	10 mg/kg _{bw} /day	2.57E-12
Total	0.000011 mg/kg _{bw} /day	10 mg/kg _{bw} /day	0.000011

10.16.2 Contributing Scenario (2) controlling industrial worker exposure for PROC 4

Industrial Use of Vehicle cleaning Products Car wash product; Semi-Automatic process

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	0.068571 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.001371
inhalation	1.312 mg/m ³	350 mg/m ³	0.00375
Combined routes	0.256071 mg/kg _{bw} /day	-	0.005121

10.16.3 Contributing Scenario (3) controlling industrial worker exposure for PROC 4

Industrial Use of Vehicle cleaning Products Car wash product; Semi-Automatic process

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	0.068571 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.001371
inhalation	1.875 mg/m ³	350 mg/m ³	0.005357
Combined routes	0.336429	-	0.006729

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
	mg/kg _{bw} /day		

10.16.4 Contributing Scenario (4) controlling industrial worker exposure for PROC 8A

Industrial Use of Vehicle cleaning Products Car wash product; Semi-Automatic process

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	0.137143 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.002743
inhalation	0.2625 mg/m ³	350 mg/m ³	0.00075
Combined routes	0.174643 mg/kg _{bw} /day	-	0.003493

10.16.5 Contributing Scenario (5) controlling industrial worker exposure for PROC 8A

Industrial Use of Vehicle cleaning Products Car wash product; Semi-Automatic process

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	0.137143 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.002743
inhalation	0.375 mg/m ³	350 mg/m ³	0.001071
Combined routes	0.190714 mg/kg _{bw} /day	-	0.003814

10.17 Scenario 17: Industrial Use of Vehicle cleaning Products Car wash product; Spray and rinse process

The following RCR calculations refer to the contributing scenarios described in chapter 9.17

10.17.1 Contributing Scenario (1) controlling environmental exposure for ERC4 Industrial Use of Vehicle cleaning Products Car wash product; Spray and rinse process

The quantitative risk characterisation for this environmental exposure has been calculated using EasyTRA.

The environmental exposure calculation per compartment is based on the algorithms of the EU TGD 2003 Risk Assessment Spreadsheet Model 1.24a.

10.17.1.1 Aquatic compartment (including sediment)

Compartments	PEC	PNEC	RCR = PEC/PNEC
Freshwater	0.031364 mg/L	0.100 mg/L	0.313639
Freshwater sediment	0.185768 mg/kg _{dwt}	0.292 mg/kg _{dwt}	0.636193
Marine water	0.003125 mg/L	0.010 mg/L	0.312472
Marine water sediment	0.018508 mg/kg _{dwt}	0.0292 mg/kg _{dwt}	0.633825

10.17.1.2 Terrestrial compartment

Compartments	PEC	PNEC	RCR = PEC/PNEC
Agricultural soil	0.077276 mg/kg _{dwt}	13.1 mg/kg _{dwt}	0.005899
Grassland	0.008636 mg/kg _{dwt}	13.1 mg/kg _{dwt}	0.000659

10.17.1.3 Microbiological activity in sewage treatment systems

Compartments	PEC	PNEC	RCR = PEC/PNEC
STP	0.282772 mg/L	50 mg/L	0.005655

10.17.1.4 Secondary poisoning / Man via environment

Secondary poisoning considers indirect exposure of man via foods, air and drinking water. The following table shows the calculated exposure to the substance from exemplary food sources at different trophic levels together with the total exposure over all routes and food sources.

Food source	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
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Food source	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
Fish	7.15E-6 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-7
Root crop	3.33E-7 mg/kg _{bw} /day	10 mg/kg _{bw} /day	3.33E-8
Leaf crop	0.00001 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.00E-6
Milk	1.33E-8 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.33E-9
Meat	7.15E-10 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-11
Drinking water	0.000088 mg/kg _{bw} /day	10 mg/kg _{bw} /day	8.82E-6
inhalation	2.57E-11 mg/kg _{bw} /day	10 mg/kg _{bw} /day	2.57E-12
Total	0.000011 mg/kg _{bw} /day	10 mg/kg _{bw} /day	0.000011

10.17.2 Contributing Scenario (2) controlling industrial worker exposure for PROC 8A

Industrial Use of Vehicle cleaning Products Car wash product; Spray and rinse process

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	0.137143 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.002743
inhalation	0.375 mg/m ³	350 mg/m ³	0.001071
Combined routes	0.190714 mg/kg _{bw} /day	-	0.003814

10.17.3 Contributing Scenario (3) controlling industrial worker exposure for PROC 8A

Industrial Use of Vehicle cleaning Products Car wash product; Spray and rinse process

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	0.137143 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.002743
inhalation	0.2625 mg/m ³	350 mg/m ³	0.00075
Combined routes	0.174643 mg/kg _{bw} /day	-	0.003493

10.17.4 Contributing Scenario (4) controlling industrial worker exposure for PROC 11

Industrial Use of Vehicle cleaning Products Car wash product; Spray and rinse process

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	1.071 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.021429
inhalation	-	-	-
Combined routes	1.071 mg/kg _{bw} /day	-	0.021429

10.17.5 Contributing Scenario (5) controlling industrial worker exposure for PROC 11

Industrial Use of Vehicle cleaning Products Car wash product; Spray and rinse process

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	1.071 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.021429

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
inhalation	-	-	-
Combined routes	1.071 mg/kg _{bw} /day	-	0.021429

10.18 Scenario 18: Industrial Use of Vehicle cleaning Products Car wash product; Spray and wipe manual process

The following RCR calculations refer to the contributing scenarios described in chapter 9.18

10.18.1 Contributing Scenario (1) controlling environmental exposure for ERC4 Industrial Use of Vehicle cleaning Products Car wash product; Spray and wipe manual process

The quantitative risk characterisation for this environmental exposure has been calculated using EasyTRA.

The environmental exposure calculation per compartment is based on the algorithms of the EU TGD 2003 Risk Assessment Spreadsheet Model 1.24a.

10.18.1.1 Aquatic compartment (including sediment)

Compartments	PEC	PNEC	RCR = PEC/PNEC
Freshwater	0.031364 mg/L	0.100 mg/L	0.313639
Freshwater sediment	0.185768 mg/kg _{dwt}	0.292 mg/kg _{dwt}	0.636193
Marine water	0.003125 mg/L	0.010 mg/L	0.312472
Marine water sediment	0.018508 mg/kg _{dwt}	0.0292 mg/kg _{dwt}	0.633825

10.18.1.2 Terrestrial compartment

Compartments	PEC	PNEC	RCR = PEC/PNEC
Agricultural soil	0.077276 mg/kg _{dwt}	13.1 mg/kg _{dwt}	0.005899
Grassland	0.008636 mg/kg _{dwt}	13.1 mg/kg _{dwt}	0.000659

10.18.1.3 Microbiological activity in sewage treatment systems

Compartments	PEC	PNEC	RCR = PEC/PNEC
STP	0.282772 mg/L	50 mg/L	0.005655

10.18.1.4 Secondary poisoning / Man via environment

Secondary poisoning considers indirect exposure of man via foods, air and drinking

water. The following table shows the calculated exposure to the substance from exemplary food sources at different trophic levels together with the total exposure over all routes and food sources.

Food source	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
Fish	7.15E-6 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-7
Root crop	3.33E-7 mg/kg _{bw} /day	10 mg/kg _{bw} /day	3.33E-8
Leaf crop	0.00001 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.00E-6
Milk	1.33E-8 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.33E-9
Meat	7.15E-10 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-11
Drinking water	0.000088 mg/kg _{bw} /day	10 mg/kg _{bw} /day	8.82E-6
inhalation	2.57E-11 mg/kg _{bw} /day	10 mg/kg _{bw} /day	2.57E-12
Total	0.000011 mg/kg _{bw} /day	10 mg/kg _{bw} /day	0.000011

10.18.2 Contributing Scenario (2) controlling industrial worker exposure for PROC 8A

Industrial Use of Vehicle cleaning Products Car wash product; Spray and wipe manual process

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	0.137143 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.002743
inhalation	0.2625 mg/m ³	350 mg/m ³	0.00075
Combined routes	0.174643 mg/kg _{bw} /day	-	0.003493

10.18.3 Contributing Scenario (3) controlling industrial worker exposure for PROC 11

Industrial Use of Vehicle cleaning Products Car wash product; Spray and wipe manual process

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	1.071 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.021429
inhalation	-	-	-
Combined routes	1.071 mg/kg _{bw} /day	-	0.021429

10.19 Scenario 19: Industrial Use of Vehicle cleaning Products Dewaxing product; Semi-Automatic process

The following RCR calculations refer to the contributing scenarios described in chapter 9.19

10.19.1 Contributing Scenario (1) controlling environmental exposure for ERC4 Industrial Use of Vehicle cleaning Products Dewaxing product; Semi-Automatic process

The quantitative risk characterisation for this environmental exposure has been calculated using EasyTRA.

The environmental exposure calculation per compartment is based on the algorithms of the EU TGD 2003 Risk Assessment Spreadsheet Model 1.24a.

10.19.1.1 Aquatic compartment (including sediment)

Compartments	PEC	PNEC	RCR = PEC/PNEC
Freshwater	0.031364 mg/L	0.100 mg/L	0.313639
Freshwater sediment	0.185768 mg/kg _{dwt}	0.292 mg/kg _{dwt}	0.636193
Marine water	0.003125 mg/L	0.010 mg/L	0.312472
Marine water sediment	0.018508 mg/kg _{dwt}	0.0292 mg/kg _{dwt}	0.633825

10.19.1.2 Terrestrial compartment

Compartments	PEC	PNEC	RCR = PEC/PNEC
Agricultural soil	0.077276 mg/kg _{dwt}	13.1 mg/kg _{dwt}	0.005899
Grassland	0.008636 mg/kg _{dwt}	13.1 mg/kg _{dwt}	0.000659

10.19.1.3 Microbiological activity in sewage treatment systems

Compartments	PEC	PNEC	RCR = PEC/PNEC
STP	0.282772 mg/L	50 mg/L	0.005655

10.19.1.4 Secondary poisoning / Man via environment

Secondary poisoning considers indirect exposure of man via foods, air and drinking water. The following table shows the calculated exposure to the substance from exemplary food sources at different trophic levels together with the total exposure over all routes and food sources.

Food source	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
Fish	7.15E-6 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-7
Root crop	3.33E-7 mg/kg _{bw} /day	10 mg/kg _{bw} /day	3.33E-8
Leaf crop	0.00001 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.00E-6
Milk	1.33E-8 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.33E-9
Meat	7.15E-10 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-11
Drinking water	0.000088 mg/kg _{bw} /day	10 mg/kg _{bw} /day	8.82E-6
inhalation	2.57E-11 mg/kg _{bw} /day	10 mg/kg _{bw} /day	2.57E-12
Total	0.000011 mg/kg _{bw} /day	10 mg/kg _{bw} /day	0.000011

10.19.2 Contributing Scenario (2) controlling industrial worker exposure for PROC 8A

Industrial Use of Vehicle cleaning Products Dewaxing product; Semi-Automatic process

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	0.137143 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.002743
inhalation	0.2625 mg/m ³	350 mg/m ³	0.00075
Combined routes	0.174643	-	0.003493

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
	mg/kg _{bw} /day		

10.19.3 Contributing Scenario (3) controlling industrial worker exposure for PROC 4

Industrial Use of Vehicle cleaning Products Dewaxing product; Semi-Automatic process

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	0.068571 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.001371
inhalation	1.312 mg/m ³	350 mg/m ³	0.00375
Combined routes	0.256071 mg/kg _{bw} /day	-	0.005121

10.19.4 Contributing Scenario (4) controlling industrial worker exposure for PROC 8A

Industrial Use of Vehicle cleaning Products Dewaxing product; Semi-Automatic process

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	0.137143 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.002743
inhalation	0.375 mg/m ³	350 mg/m ³	0.001071
Combined routes	0.190714 mg/kg _{bw} /day	-	0.003814

10.19.5 Contributing Scenario (5) controlling industrial worker exposure for PROC 4

Industrial Use of Vehicle cleaning Products Dewaxing product; Semi-Automatic process

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	0.068571 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.001371
inhalation	1.875 mg/m ³	350 mg/m ³	0.005357
Combined routes	0.336429 mg/kg _{bw} /day	-	0.006729

10.20 Scenario 20: Industrial use of Food beverage and pharmacos products Animal housing care; Semi-Automatic process

The following RCR calculations refer to the contributing scenarios described in chapter 9.20

10.20.1 Contributing Scenario (1) controlling environmental exposure for ERC4

Industrial use of Food beverage and pharmacos products Animal housing care; Semi-Automatic process

The quantitative risk characterisation for this environmental exposure has been calculated using EasyTRA.

The environmental exposure calculation per compartment is based on the algorithms of the EU TGD 2003 Risk Assessment Spreadsheet Model 1.24a.

10.20.1.1 Aquatic compartment (including sediment)

Compartments	PEC	PNEC	RCR = PEC/PNEC
Freshwater	0.031364 mg/L	0.100 mg/L	0.313639
Freshwater sediment	0.185768 mg/kg _{dwt}	0.292 mg/kg _{dwt}	0.636193
Marine water	0.003125 mg/L	0.010 mg/L	0.312472
Marine water sediment	0.018508 mg/kg _{dwt}	0.0292 mg/kg _{dwt}	0.633825

10.20.1.2 Terrestrial compartment

Compartments	PEC	PNEC	RCR = PEC/PNEC
Agricultural soil	0.077276 mg/kg _{dwt}	13.1 mg/kg _{dwt}	0.005899
Grassland	0.008636 mg/kg _{dwt}	13.1 mg/kg _{dwt}	0.000659

10.20.1.3 Microbiological activity in sewage treatment systems

Compartments	PEC	PNEC	RCR = PEC/PNEC
STP	0.282772 mg/L	50 mg/L	0.005655

10.20.1.4 Secondary poisoning / Man via environment

Secondary poisoning considers indirect exposure of man via foods, air and drinking water. The following table shows the calculated exposure to the substance from exemplary food sources at different trophic levels together with the total exposure over all routes and food sources.

Food source	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
Fish	7.15E-6 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-7
Root crop	3.33E-7 mg/kg _{bw} /day	10 mg/kg _{bw} /day	3.33E-8
Leaf crop	0.00001 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.00E-6
Milk	1.33E-8 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.33E-9
Meat	7.15E-10 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-11
Drinking water	0.000088 mg/kg _{bw} /day	10 mg/kg _{bw} /day	8.82E-6
inhalation	2.57E-11 mg/kg _{bw} /day	10 mg/kg _{bw} /day	2.57E-12
Total	0.000011 mg/kg _{bw} /day	10 mg/kg _{bw} /day	0.000011

10.20.2 Contributing Scenario (2) controlling industrial worker exposure for PROC 8A

Industrial use of Food beverage and pharmacos products Animal housing care; Semi-Automatic process

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	13.714 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.274286
inhalation	0.375 mg/m ³	350 mg/m ³	0.001071
Combined routes	13.768 mg/kg _{bw} /day	-	0.275357

10.20.3 Contributing Scenario (3) controlling industrial worker exposure for PROC 10

Industrial use of Food beverage and pharmacos products Animal housing care; Semi-Automatic process

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	27.429 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.548571
inhalation	1.875 mg/m ³	350 mg/m ³	0.005357
Combined routes	27.696 mg/kg _{bw} /day	-	0.553929

10.21 Scenario 21: Industrial use of Food beverage and pharmacos products Chain maintenance product; Automatic drip and brush process

The following RCR calculations refer to the contributing scenarios described in chapter 9.21

10.21.1 Contributing Scenario (1) controlling environmental exposure for ERC4

Industrial use of Food beverage and pharmacos products Chain maintenance product; Automatic drip and brush process

The quantitative risk characterisation for this environmental exposure has been calculated using EasyTRA.

The environmental exposure calculation per compartment is based on the algorithms of the EU TGD 2003 Risk Assessment Spreadsheet Model 1.24a.

10.21.1.1 Aquatic compartment (including sediment)

Compartments	PEC	PNEC	RCR = PEC/PNEC
Freshwater	0.031364 mg/L	0.100 mg/L	0.313639
Freshwater sediment	0.185768 mg/kg _{dwt}	0.292 mg/kg _{dwt}	0.636193

Compartments	PEC	PNEC	RCR = PEC/PNEC
Marine water	0.003125 mg/L	0.010 mg/L	0.312472
Marine water sediment	0.018508 mg/kg _{dwt}	0.0292 mg/kg _{dwt}	0.633825

10.21.1.2 Terrestrial compartment

Compartments	PEC	PNEC	RCR = PEC/PNEC
Agricultural soil	0.077276 mg/kg _{dwt}	13.1 mg/kg _{dwt}	0.005899
Grassland	0.008636 mg/kg _{dwt}	13.1 mg/kg _{dwt}	0.000659

10.21.1.3 Microbiological activity in sewage treatment systems

Compartments	PEC	PNEC	RCR = PEC/PNEC
STP	0.282772 mg/L	50 mg/L	0.005655

10.21.1.4 Secondary poisoning / Man via environment

Secondary poisoning considers indirect exposure of man via foods, air and drinking water. The following table shows the calculated exposure to the substance from exemplary food sources at different trophic levels together with the total exposure over all routes and food sources.

Food source	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
Fish	7.15E-6 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-7
Root crop	3.33E-7 mg/kg _{bw} /day	10 mg/kg _{bw} /day	3.33E-8
Leaf crop	0.00001 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.00E-6
Milk	1.33E-8 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.33E-9
Meat	7.15E-10 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-11
Drinking water	0.000088 mg/kg _{bw} /day	10 mg/kg _{bw} /day	8.82E-6
inhalation	2.57E-11 mg/kg _{bw} /day	10 mg/kg _{bw} /day	2.57E-12
Total	0.000011 mg/kg _{bw} /day	10 mg/kg _{bw} /day	0.000011

10.21.2 Contributing Scenario (2) controlling industrial worker exposure for PROC 13

Industrial use of Food beverage and pharmacos products Chain maintenance product; Automatic drip and brush process

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	13.714 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.274286
inhalation	1.875 mg/m ³	350 mg/m ³	0.005357
Combined routes	13.982 mg/kg _{bw} /day	-	0.279643

10.21.3 Contributing Scenario (3) controlling industrial worker exposure for PROC 8A

Industrial use of Food beverage and pharmacos products Chain maintenance product; Automatic drip and brush process

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	0.137143 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.002743
inhalation	0.375 mg/m ³	350 mg/m ³	0.001071
Combined routes	0.190714 mg/kg _{bw} /day	-	0.003814

10.22 Scenario 22: Industrial use of Food beverage and pharmacos products Chain maintenance product; Automatic spray process

The following RCR calculations refer to the contributing scenarios described in chapter 9.22

10.22.1 Contributing Scenario (1) controlling environmental exposure for ERC4

Industrial use of Food beverage and pharmacos products Chain maintenance product; Automatic spray process

The quantitative risk characterisation for this environmental exposure has been calculated using EasyTRA.

The environmental exposure calculation per compartment is based on the algorithms of the EU TGD 2003 Risk Assessment Spreadsheet Model 1.24a.

10.22.1.1 Aquatic compartment (including sediment)

Compartments	PEC	PNEC	RCR = PEC/PNEC
Freshwater	0.031364 mg/L	0.100 mg/L	0.313639
Freshwater sediment	0.185768 mg/kg _{dwt}	0.292 mg/kg _{dwt}	0.636193
Marine water	0.003125 mg/L	0.010 mg/L	0.312472
Marine water sediment	0.018508 mg/kg _{dwt}	0.0292 mg/kg _{dwt}	0.633825

10.22.1.2 Terrestrial compartment

Compartments	PEC	PNEC	RCR = PEC/PNEC
Agricultural soil	0.077276 mg/kg _{dwt}	13.1 mg/kg _{dwt}	0.005899
Grassland	0.008636 mg/kg _{dwt}	13.1 mg/kg _{dwt}	0.000659

10.22.1.3 Microbiological activity in sewage treatment systems

Compartments	PEC	PNEC	RCR = PEC/PNEC
STP	0.282772 mg/L	50 mg/L	0.005655

10.22.1.4 Secondary poisoning / Man via environment

Secondary poisoning considers indirect exposure of man via foods, air and drinking water. The following table shows the calculated exposure to the substance from exemplary food sources at different trophic levels together with the total exposure over all routes and food sources.

Food source	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
Fish	7.15E-6 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-7
Root crop	3.33E-7 mg/kg _{bw} /day	10 mg/kg _{bw} /day	3.33E-8
Leaf crop	0.00001 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.00E-6
Milk	1.33E-8 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.33E-9
Meat	7.15E-10 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-11
Drinking water	0.000088 mg/kg _{bw} /day	10 mg/kg _{bw} /day	8.82E-6
inhalation	2.57E-11 mg/kg _{bw} /day	10 mg/kg _{bw} /day	2.57E-12
Total	0.000011	10 mg/kg _{bw} /day	0.000011

Food source	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
	mg/kg _{bw} /day		

10.22.2 Contributing Scenario (2) controlling industrial worker exposure for PROC 7

Industrial use of Food beverage and pharmacos products Chain maintenance product; Automatic spray process

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	42.857 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.857143
inhalation	1.875 mg/m ³	350 mg/m ³	0.005357
Combined routes	43.125 mg/kg _{bw} /day	-	0.8625

10.22.3 Contributing Scenario (3) controlling industrial worker exposure for PROC 8A

Industrial use of Food beverage and pharmacos products Chain maintenance product; Automatic spray process

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	0.137143 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.002743
inhalation	0.375 mg/m ³	350 mg/m ³	0.001071
Combined routes	0.190714 mg/kg _{bw} /day	-	0.003814

10.23 Scenario 23: Industrial use of Food beverage and pharmacos products Defoaming product; Automatic process

The following RCR calculations refer to the contributing scenarios described in chapter 9.23

10.23.1 Contributing Scenario (1) controlling environmental exposure for ERC4 *Industrial use of Food beverage and pharmacos products Defoaming product; Automatic process*

The quantitative risk characterisation for this environmental exposure has been calculated using EasyTRA.

The environmental exposure calculation per compartment is based on the algorithms of the EU TGD 2003 Risk Assessment Spreadsheet Model 1.24a.

10.23.1.1 Aquatic compartment (including sediment)

Compartments	PEC	PNEC	RCR = PEC/PNEC
Freshwater	0.031364 mg/L	0.100 mg/L	0.313639
Freshwater sediment	0.185768 mg/kg _{dwt}	0.292 mg/kg _{dwt}	0.636193
Marine water	0.003125 mg/L	0.010 mg/L	0.312472
Marine water sediment	0.018508 mg/kg _{dwt}	0.0292 mg/kg _{dwt}	0.633825

10.23.1.2 Terrestrial compartment

Compartments	PEC	PNEC	RCR = PEC/PNEC
Agricultural soil	0.077276 mg/kg _{dwt}	13.1 mg/kg _{dwt}	0.005899
Grassland	0.008636 mg/kg _{dwt}	13.1 mg/kg _{dwt}	0.000659

10.23.1.3 Microbiological activity in sewage treatment systems

Compartments	PEC	PNEC	RCR = PEC/PNEC
STP	0.282772 mg/L	50 mg/L	0.005655

10.23.1.4 Secondary poisoning / Man via environment

Secondary poisoning considers indirect exposure of man via foods, air and drinking water. The following table shows the calculated exposure to the substance from exemplary food sources at different trophic levels together with the total exposure over all routes and food sources.

Food source	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
Fish	7.15E-6 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-7
Root crop	3.33E-7 mg/kg _{bw} /day	10 mg/kg _{bw} /day	3.33E-8

Food source	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
Leaf crop	0.00001 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.00E-6
Milk	1.33E-8 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.33E-9
Meat	7.15E-10 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-11
Drinking water	0.000088 mg/kg _{bw} /day	10 mg/kg _{bw} /day	8.82E-6
inhalation	2.57E-11 mg/kg _{bw} /day	10 mg/kg _{bw} /day	2.57E-12
Total	0.000011 mg/kg _{bw} /day	10 mg/kg _{bw} /day	0.000011

10.23.2 Contributing Scenario (2) controlling industrial worker exposure for PROC 8B

Industrial use of Food beverage and pharmacos products Defoaming product; Automatic process

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	0.068571 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.001371
inhalation	0.375 mg/m ³	350 mg/m ³	0.001071
Combined routes	0.122143 mg/kg _{bw} /day	-	0.002443

10.23.3 Contributing Scenario (3) controlling industrial worker exposure for PROC 1

Industrial use of Food beverage and pharmacos products Defoaming product; Automatic process

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	0.342857 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.006857
inhalation	0.01875 mg/m ³	350 mg/m ³	0.000054
Combined routes	0.345536 mg/kg _{bw} /day	-	0.006911

10.24 Scenario 24: Industrial use of Food beverage and pharmacos products Disinfection product; Fogging and gassing Semi-automatic process

The following RCR calculations refer to the contributing scenarios described in chapter 9.24

10.24.1 Contributing Scenario (1) controlling environmental exposure for ERC4 Industrial use of Food beverage and pharmacos products Disinfection product; Fogging and gassing Semi-automatic process

The quantitative risk characterisation for this environmental exposure has been calculated using EasyTRA.

The environmental exposure calculation per compartment is based on the algorithms of the EU TGD 2003 Risk Assessment Spreadsheet Model 1.24a.

10.24.1.1 Aquatic compartment (including sediment)

Compartments	PEC	PNEC	RCR = PEC/PNEC
Freshwater	0.031364 mg/L	0.100 mg/L	0.313639
Freshwater sediment	0.185768 mg/kg _{dwt}	0.292 mg/kg _{dwt}	0.636193
Marine water	0.003125 mg/L	0.010 mg/L	0.312472
Marine water sediment	0.018508 mg/kg _{dwt}	0.0292 mg/kg _{dwt}	0.633825

10.24.1.2 Terrestrial compartment

Compartments	PEC	PNEC	RCR = PEC/PNEC
Agricultural soil	0.077276 mg/kg _{dwt}	13.1 mg/kg _{dwt}	0.005899
Grassland	0.008636 mg/kg _{dwt}	13.1 mg/kg _{dwt}	0.000659

10.24.1.3 Microbiological activity in sewage treatment systems

Compartments	PEC	PNEC	RCR = PEC/PNEC
STP	0.282772 mg/L	50 mg/L	0.005655

10.24.1.4 Secondary poisoning / Man via environment

Secondary poisoning considers indirect exposure of man via foods, air and drinking water. The following table shows the calculated exposure to the substance from exemplary food sources at different trophic levels together with the total exposure over all routes and food sources.

Food source	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
Fish	7.15E-6 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-7
Root crop	3.33E-7 mg/kg _{bw} /day	10 mg/kg _{bw} /day	3.33E-8
Leaf crop	0.00001 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.00E-6
Milk	1.33E-8 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.33E-9
Meat	7.15E-10 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-11
Drinking water	0.000088 mg/kg _{bw} /day	10 mg/kg _{bw} /day	8.82E-6
inhalation	2.57E-11 mg/kg _{bw} /day	10 mg/kg _{bw} /day	2.57E-12
Total	0.000011 mg/kg _{bw} /day	10 mg/kg _{bw} /day	0.000011

10.24.2 Contributing Scenario (2) controlling industrial worker exposure for PROC 8A

Industrial use of Food beverage and pharmacos products Disinfection product; Fogging and gassing Semi-automatic process

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	0.137143 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.002743
inhalation	0.1875 mg/m ³	350 mg/m ³	0.000536
Combined routes	0.163929 mg/kg _{bw} /day	-	0.003279

10.24.3 Contributing Scenario (3) controlling industrial worker exposure for

PROC 11

Industrial use of Food beverage and pharmacos products Disinfection product; Fogging and gassing Semi-automatic process

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	1.071 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.021429
inhalation	-	-	-
Combined routes	1.071 mg/kg _{bw} /day	-	0.021429

10.25 Scenario 25: Industrial use of Food beverage and pharmacos products Disinfection product; Semi-automatic process

The following RCR calculations refer to the contributing scenarios described in chapter 9.25

10.25.1 Contributing Scenario (1) controlling environmental exposure for ERC4 *Industrial use of Food beverage and pharmacos products Disinfection product; Semi-automatic process*

The quantitative risk characterisation for this environmental exposure has been calculated using EasyTRA.

The environmental exposure calculation per compartment is based on the algorithms of the EU TGD 2003 Risk Assessment Spreadsheet Model 1.24a.

10.25.1.1 Aquatic compartment (including sediment)

Compartments	PEC	PNEC	RCR = PEC/PNEC
Freshwater	0.031364 mg/L	0.100 mg/L	0.313639
Freshwater sediment	0.185768 mg/kg _{dwt}	0.292 mg/kg _{dwt}	0.636193
Marine water	0.003125 mg/L	0.010 mg/L	0.312472
Marine water sediment	0.018508 mg/kg _{dwt}	0.0292 mg/kg _{dwt}	0.633825

10.25.1.2 Terrestrial compartment

Compartments	PEC	PNEC	RCR = PEC/PNEC
Agricultural soil	0.077276 mg/kg _{dwt}	13.1 mg/kg _{dwt}	0.005899
Grassland	0.008636 mg/kg _{dwt}	13.1 mg/kg _{dwt}	0.000659

10.25.1.3 Microbiological activity in sewage treatment systems

Compartments	PEC	PNEC	RCR = PEC/PNEC
STP	0.282772 mg/L	50 mg/L	0.005655

10.25.1.4 Secondary poisoning / Man via environment

Secondary poisoning considers indirect exposure of man via foods, air and drinking water. The following table shows the calculated exposure to the substance from exemplary food sources at different trophic levels together with the total exposure over all routes and food sources.

Food source	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
Fish	7.15E-6 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-7
Root crop	3.33E-7 mg/kg _{bw} /day	10 mg/kg _{bw} /day	3.33E-8
Leaf crop	0.00001 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.00E-6
Milk	1.33E-8 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.33E-9
Meat	7.15E-10 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-11
Drinking water	0.000088 mg/kg _{bw} /day	10 mg/kg _{bw} /day	8.82E-6
inhalation	2.57E-11 mg/kg _{bw} /day	10 mg/kg _{bw} /day	2.57E-12
Total	0.000011 mg/kg _{bw} /day	10 mg/kg _{bw} /day	0.000011

10.25.2 Contributing Scenario (2) controlling industrial worker exposure for PROC 10

Industrial use of Food beverage and pharmacos products Disinfection product; Semi-automatic process

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	27.429 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.548571

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
inhalation	1.125 mg/m ³	350 mg/m ³	0.003214
Combined routes	27.589 mg/kg _{bw} /day	-	0.551786

10.25.3 Contributing Scenario (3) controlling industrial worker exposure for PROC 8A

Industrial use of Food beverage and pharmacos products Disinfection product; Semi-automatic process

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	13.714 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.274286
inhalation	0.375 mg/m ³	350 mg/m ³	0.001071
Combined routes	13.768 mg/kg _{bw} /day	-	0.275357

10.26 Scenario 26: Industrial use of Food beverage and pharmacos products Foam cleaner; Semi-Automatic with venting process

The following RCR calculations refer to the contributing scenarios described in chapter 9.26

10.26.1 Contributing Scenario (1) controlling environmental exposure for ERC4

Industrial use of Food beverage and pharmacos products Foam cleaner; Semi-Automatic with venting process

The quantitative risk characterisation for this environmental exposure has been calculated using EasyTRA.

The environmental exposure calculation per compartment is based on the algorithms of the EU TGD 2003 Risk Assessment Spreadsheet Model 1.24a.

10.26.1.1 Aquatic compartment (including sediment)

Compartments	PEC	PNEC	RCR = PEC/PNEC
Freshwater	0.031364 mg/L	0.100 mg/L	0.313639
Freshwater sediment	0.185768 mg/kg _{dwt}	0.292 mg/kg _{dwt}	0.636193
Marine water	0.003125 mg/L	0.010 mg/L	0.312472

Compartments	PEC	PNEC	RCR = PEC/PNEC
Marine water sediment	0.018508 mg/kg _{dwt}	0.0292 mg/kg _{dwt}	0.633825

10.26.1.2 Terrestrial compartment

Compartments	PEC	PNEC	RCR = PEC/PNEC
Agricultural soil	0.077276 mg/kg _{dwt}	13.1 mg/kg _{dwt}	0.005899
Grassland	0.008636 mg/kg _{dwt}	13.1 mg/kg _{dwt}	0.000659

10.26.1.3 Microbiological activity in sewage treatment systems

Compartments	PEC	PNEC	RCR = PEC/PNEC
STP	0.282772 mg/L	50 mg/L	0.005655

10.26.1.4 Secondary poisoning / Man via environment

Secondary poisoning considers indirect exposure of man via foods, air and drinking water. The following table shows the calculated exposure to the substance from exemplary food sources at different trophic levels together with the total exposure over all routes and food sources.

Food source	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
Fish	7.15E-6 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-7
Root crop	3.33E-7 mg/kg _{bw} /day	10 mg/kg _{bw} /day	3.33E-8
Leaf crop	0.00001 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.00E-6
Milk	1.33E-8 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.33E-9
Meat	7.15E-10 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-11
Drinking water	0.000088 mg/kg _{bw} /day	10 mg/kg _{bw} /day	8.82E-6
inhalation	2.57E-11 mg/kg _{bw} /day	10 mg/kg _{bw} /day	2.57E-12
Total	0.000011 mg/kg _{bw} /day	10 mg/kg _{bw} /day	0.000011

10.26.2 Contributing Scenario (2) controlling industrial worker exposure for PROC 8A

Industrial use of Food beverage and pharmacos products Foam cleaner; Semi-Automatic with venting process

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	0.001371 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.000027
inhalation	0.01875 mg/m ³	350 mg/m ³	0.000054
Combined routes	0.00405 mg/kg _{bw} /day	-	0.000081

10.26.3 Contributing Scenario (3) controlling industrial worker exposure for PROC 11

Industrial use of Food beverage and pharmacos products Foam cleaner; Semi-Automatic with venting process

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	0.021429 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.000429
inhalation	-	-	-
Combined routes	0.021429 mg/kg _{bw} /day	-	0.000429

10.27 Scenario 27: Industrial use of Food beverage and pharmacos products Foam cleaner; Semi-Automatic without venting process

The following RCR calculations refer to the contributing scenarios described in chapter 9.27

10.27.1 Contributing Scenario (1) controlling environmental exposure for ERC4

Industrial use of Food beverage and pharmacos products Foam cleaner; Semi-Automatic without venting process

The quantitative risk characterisation for this environmental exposure has been calculated using EasyTRA.

The environmental exposure calculation per compartment is based on the algorithms of the EU TGD 2003 Risk Assessment Spreadsheet Model 1.24a.

10.27.1.1 Aquatic compartment (including sediment)

Compartments	PEC	PNEC	RCR = PEC/PNEC
Freshwater	0.031364 mg/L	0.100 mg/L	0.313639
Freshwater sediment	0.185768 mg/kg _{dwt}	0.292 mg/kg _{dwt}	0.636193
Marine water	0.003125 mg/L	0.010 mg/L	0.312472
Marine water sediment	0.018508 mg/kg _{dwt}	0.0292 mg/kg _{dwt}	0.633825

10.27.1.2 Terrestrial compartment

Compartments	PEC	PNEC	RCR = PEC/PNEC
Agricultural soil	0.077276 mg/kg _{dwt}	13.1 mg/kg _{dwt}	0.005899
Grassland	0.008636 mg/kg _{dwt}	13.1 mg/kg _{dwt}	0.000659

10.27.1.3 Microbiological activity in sewage treatment systems

Compartments	PEC	PNEC	RCR = PEC/PNEC
STP	0.282772 mg/L	50 mg/L	0.005655

10.27.1.4 Secondary poisoning / Man via environment

Secondary poisoning considers indirect exposure of man via foods, air and drinking water. The following table shows the calculated exposure to the substance from exemplary food sources at different trophic levels together with the total exposure over all routes and food sources.

Food source	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
Fish	7.15E-6 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-7
Root crop	3.33E-7 mg/kg _{bw} /day	10 mg/kg _{bw} /day	3.33E-8
Leaf crop	0.00001 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.00E-6
Milk	1.33E-8 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.33E-9
Meat	7.15E-10 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-11
Drinking water	0.000088 mg/kg _{bw} /day	10 mg/kg _{bw} /day	8.82E-6
inhalation	2.57E-11 mg/kg _{bw} /day	10 mg/kg _{bw} /day	2.57E-12

Food source	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
Total	0.000011 mg/kg _{bw} /day	10 mg/kg _{bw} /day	0.000011

10.27.2 Contributing Scenario (2) controlling industrial worker exposure for PROC 8A

Industrial use of Food beverage and pharmacos products Foam cleaner; Semi-Automatic without venting process

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	0.137143 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.002743
inhalation	0.1875 mg/m ³	350 mg/m ³	0.000536
Combined routes	0.163929 mg/kg _{bw} /day	-	0.003279

10.27.3 Contributing Scenario (3) controlling industrial worker exposure for PROC 11

Industrial use of Food beverage and pharmacos products Foam cleaner; Semi-Automatic without venting process

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	1.071 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.021429
inhalation	-	-	-
Combined routes	1.071 mg/kg _{bw} /day	-	0.021429

10.28 Scenario 28: Industrial use of Food beverage and pharmacos products

Food process cleaner; Cleaning In place (CIP) process

The following RCR calculations refer to the contributing scenarios described in chapter 9.28

10.28.1 Contributing Scenario (1) controlling environmental exposure for ERC4 *Industrial use of Food beverage and pharmacos products Food process cleaner; Cleaning In place (CIP) process*

The quantitative risk characterisation for this environmental exposure has been calculated using EasyTRA.

The environmental exposure calculation per compartment is based on the algorithms of the EU TGD 2003 Risk Assessment Spreadsheet Model 1.24a.

10.28.1.1 Aquatic compartment (including sediment)

Compartments	PEC	PNEC	RCR = PEC/PNEC
Freshwater	0.031364 mg/L	0.100 mg/L	0.313639
Freshwater sediment	0.185768 mg/kg _{dwt}	0.292 mg/kg _{dwt}	0.636193
Marine water	0.003125 mg/L	0.010 mg/L	0.312472
Marine water sediment	0.018508 mg/kg _{dwt}	0.0292 mg/kg _{dwt}	0.633825

10.28.1.2 Terrestrial compartment

Compartments	PEC	PNEC	RCR = PEC/PNEC
Agricultural soil	0.077276 mg/kg _{dwt}	13.1 mg/kg _{dwt}	0.005899
Grassland	0.008636 mg/kg _{dwt}	13.1 mg/kg _{dwt}	0.000659

10.28.1.3 Microbiological activity in sewage treatment systems

Compartments	PEC	PNEC	RCR = PEC/PNEC
STP	0.282772 mg/L	50 mg/L	0.005655

10.28.1.4 Secondary poisoning / Man via environment

Secondary poisoning considers indirect exposure of man via foods, air and drinking water. The following table shows the calculated exposure to the substance from exemplary food sources at different trophic levels together with the total exposure over all routes and food sources.

Food source	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
Fish	7.15E-6 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-7

Food source	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
Root crop	3.33E-7 mg/kg _{bw} /day	10 mg/kg _{bw} /day	3.33E-8
Leaf crop	0.00001 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.00E-6
Milk	1.33E-8 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.33E-9
Meat	7.15E-10 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-11
Drinking water	0.000088 mg/kg _{bw} /day	10 mg/kg _{bw} /day	8.82E-6
inhalation	2.57E-11 mg/kg _{bw} /day	10 mg/kg _{bw} /day	2.57E-12
Total	0.000011 mg/kg _{bw} /day	10 mg/kg _{bw} /day	0.000011

10.28.2 Contributing Scenario (2) controlling industrial worker exposure for PROC 8B

Industrial use of Food beverage and pharmacos products Food process cleaner; Cleaning In place (CIP) process

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	0.068571 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.001371
inhalation	0.1875 mg/m ³	350 mg/m ³	0.000536
Combined routes	0.095357 mg/kg _{bw} /day	-	0.001907

10.28.3 Contributing Scenario (3) controlling industrial worker exposure for PROC 1

Industrial use of Food beverage and pharmacos products Food process cleaner; Cleaning In place (CIP) process

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	0.342857 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.006857
inhalation	0.01875 mg/m ³	350 mg/m ³	0.000054
Combined routes	0.345536 mg/kg _{bw} /day	-	0.006911

10.29 Scenario 29: Industrial use of Food beverage and pharmacos products Food process cleaner; Semi closed cleaning process

The following RCR calculations refer to the contributing scenarios described in chapter 9.29

10.29.1 Contributing Scenario (1) controlling environmental exposure for ERC4 *Industrial use of Food beverage and pharmacos products Food process cleaner; Semi closed cleaning process*

The quantitative risk characterisation for this environmental exposure has been calculated using EasyTRA.

The environmental exposure calculation per compartment is based on the algorithms of the EU TGD 2003 Risk Assessment Spreadsheet Model 1.24a.

10.29.1.1 Aquatic compartment (including sediment)

Compartments	PEC	PNEC	RCR = PEC/PNEC
Freshwater	0.031364 mg/L	0.100 mg/L	0.313639
Freshwater sediment	0.185768 mg/kg _{dwt}	0.292 mg/kg _{dwt}	0.636193
Marine water	0.003125 mg/L	0.010 mg/L	0.312472
Marine water sediment	0.018508 mg/kg _{dwt}	0.0292 mg/kg _{dwt}	0.633825

10.29.1.2 Terrestrial compartment

Compartments	PEC	PNEC	RCR = PEC/PNEC
Agricultural soil	0.077276 mg/kg _{dwt}	13.1 mg/kg _{dwt}	0.005899
Grassland	0.008636 mg/kg _{dwt}	13.1 mg/kg _{dwt}	0.000659

10.29.1.3 Microbiological activity in sewage treatment systems

Compartments	PEC	PNEC	RCR = PEC/PNEC
STP	0.282772 mg/L	50 mg/L	0.005655

10.29.1.4 Secondary poisoning / Man via environment

Secondary poisoning considers indirect exposure of man via foods, air and drinking water. The following table shows the calculated exposure to the substance from exemplary food sources at different trophic levels together with the total exposure over all routes and food sources.

Food source	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
Fish	7.15E-6 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-7
Root crop	3.33E-7 mg/kg _{bw} /day	10 mg/kg _{bw} /day	3.33E-8
Leaf crop	0.00001 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.00E-6
Milk	1.33E-8 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.33E-9
Meat	7.15E-10 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-11
Drinking water	0.000088 mg/kg _{bw} /day	10 mg/kg _{bw} /day	8.82E-6
inhalation	2.57E-11 mg/kg _{bw} /day	10 mg/kg _{bw} /day	2.57E-12
Total	0.000011 mg/kg _{bw} /day	10 mg/kg _{bw} /day	0.000011

10.29.2 Contributing Scenario (2) controlling industrial worker exposure for PROC 4

Industrial use of Food beverage and pharmacos products Food process cleaner; Semi closed cleaning process

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	6.857 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.137143
inhalation	1.875 mg/m ³	350 mg/m ³	0.005357
Combined routes	7.125 mg/kg _{bw} /day	-	0.1425

10.29.3 Contributing Scenario (3) controlling industrial worker exposure for PROC 8B

*Industrial use of Food beverage and pharmacos products Food process cleaner;
Semi closed cleaning process*

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	0.068571 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.001371
inhalation	0.1875 mg/m ³	350 mg/m ³	0.000536
Combined routes	0.095357 mg/kg _{bw} /day	-	0.001907

10.30 Scenario 30: Industrial use of Laundry products Conditioner (softner/starch); Automatic process

The following RCR calculations refer to the contributing scenarios described in chapter 9.30

10.30.1 Contributing Scenario (1) controlling environmental exposure for ERC4
Industrial use of Laundry products Conditioner (softner/starch); Automatic process

The quantitative risk characterisation for this environmental exposure has been calculated using EasyTRA.

The environmental exposure calculation per compartment is based on the algorithms of the EU TGD 2003 Risk Assessment Spreadsheet Model 1.24a.

10.30.1.1 Aquatic compartment (including sediment)

Compartments	PEC	PNEC	RCR = PEC/PNEC
Freshwater	0.031364 mg/L	0.100 mg/L	0.313639
Freshwater sediment	0.185768 mg/kg _{dwt}	0.292 mg/kg _{dwt}	0.636193
Marine water	0.003125 mg/L	0.010 mg/L	0.312472
Marine water sediment	0.018508 mg/kg _{dwt}	0.0292 mg/kg _{dwt}	0.633825

10.30.1.2 Terrestrial compartment

Compartments	PEC	PNEC	RCR = PEC/PNEC
Agricultural soil	0.077276 mg/kg _{dwt}	13.1 mg/kg _{dwt}	0.005899
Grassland	0.008636 mg/kg _{dwt}	13.1 mg/kg _{dwt}	0.000659

10.30.1.3 Microbiological activity in sewage treatment systems

Compartments	PEC	PNEC	RCR = PEC/PNEC
STP	0.282772 mg/L	50 mg/L	0.005655

10.30.1.4 Secondary poisoning / Man via environment

Secondary poisoning considers indirect exposure of man via foods, air and drinking water. The following table shows the calculated exposure to the substance from exemplary food sources at different trophic levels together with the total exposure over all routes and food sources.

Food source	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
Fish	7.15E-6 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-7
Root crop	3.33E-7 mg/kg _{bw} /day	10 mg/kg _{bw} /day	3.33E-8
Leaf crop	0.00001 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.00E-6
Milk	1.33E-8 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.33E-9
Meat	7.15E-10 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-11
Drinking water	0.000088 mg/kg _{bw} /day	10 mg/kg _{bw} /day	8.82E-6
inhalation	2.57E-11 mg/kg _{bw} /day	10 mg/kg _{bw} /day	2.57E-12
Total	0.000011 mg/kg _{bw} /day	10 mg/kg _{bw} /day	0.000011

10.30.2 Contributing Scenario (2) controlling industrial worker exposure for PROC 2

Industrial use of Laundry products Conditioner (softner/starch); Automatic process

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	1.371 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.027429
inhalation	0.1875 mg/m ³	350 mg/m ³	0.000536
Combined routes	1.398 mg/kg _{bw} /day	-	0.027964

10.30.3 Contributing Scenario (3) controlling industrial worker exposure for PROC 8B

Industrial use of Laundry products Conditioner (softner/starch); Automatic process

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	0.068571 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.001371
inhalation	0.375 mg/m ³	350 mg/m ³	0.001071
Combined routes	0.122143 mg/kg _{bw} /day	-	0.002443

10.31 Scenario 31: Industrial use of Laundry products Laundry aid (gasing); Automatic process

The following RCR calculations refer to the contributing scenarios described in chapter 9.31

10.31.1 Contributing Scenario (1) controlling environmental exposure for ERC8A

Industrial use of Laundry products Laundry aid (gasing); Automatic process

The quantitative risk characterisation for this environmental exposure has been calculated using EasyTRA.

The environmental exposure calculation per compartment is based on the algorithms of the EU TGD 2003 Risk Assessment Spreadsheet Model 1.24a.

10.31.1.1 Aquatic compartment (including sediment)

Compartments	PEC	PNEC	RCR = PEC/PNEC
Freshwater	0.00315 mg/L	0.100 mg/L	0.031497
Freshwater sediment	0.018656 mg/kg _{dwt}	0.292 mg/kg _{dwt}	0.06389
Marine water	0.000303 mg/L	0.010 mg/L	0.03033
Marine water sediment	0.001796 mg/kg _{dwt}	0.0292 mg/kg _{dwt}	0.061521

10.31.1.2 Terrestrial compartment

Compartments	PEC	PNEC	RCR = PEC/PNEC
Agricultural soil	0.000191 mg/kg _{dwt}	13.1 mg/kg _{dwt}	0.000015
Grassland	0.00004 mg/kg _{dwt}	13.1 mg/kg _{dwt}	3.07E-6

10.31.1.3 Microbiological activity in sewage treatment systems

Compartments	PEC	PNEC	RCR = PEC/PNEC
STP	0.00062 mg/L	50 mg/L	0.000012

10.31.1.4 Secondary poisoning / Man via environment

Secondary poisoning considers indirect exposure of man via foods, air and drinking water. The following table shows the calculated exposure to the substance from exemplary food sources at different trophic levels together with the total exposure over all routes and food sources.

Food source	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
Fish	7.15E-6 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-7
Root crop	3.33E-7 mg/kg _{bw} /day	10 mg/kg _{bw} /day	3.33E-8
Leaf crop	0.00001 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.00E-6
Milk	1.33E-8 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.33E-9
Meat	7.15E-10 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-11
Drinking water	0.000088 mg/kg _{bw} /day	10 mg/kg _{bw} /day	8.82E-6
inhalation	2.57E-11 mg/kg _{bw} /day	10 mg/kg _{bw} /day	2.57E-12
Total	0.000011 mg/kg _{bw} /day	10 mg/kg _{bw} /day	0.000011

10.31.2 Contributing Scenario (2) controlling industrial worker exposure for PROC 2

Industrial use of Laundry products Laundry aid (gasing); Automatic process

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	1.371 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.027429
inhalation	0.1875 mg/m ³	350 mg/m ³	0.000536
Combined routes	1.398 mg/kg _{bw} /day	-	0.027964

10.31.3 Contributing Scenario (3) controlling industrial worker exposure for PROC 8B

Industrial use of Laundry products Laundry aid (gasing); Automatic process

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	0.068571 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.001371
inhalation	0.375 mg/m ³	350 mg/m ³	0.001071
Combined routes	0.122143 mg/kg _{bw} /day	-	0.002443

10.32 Scenario 32: Industrial use of Laundry products Laundry aid (non-gasing); Automatic process

The following RCR calculations refer to the contributing scenarios described in chapter 9.32

10.32.1 Contributing Scenario (1) controlling environmental exposure for ERC8A

Industrial use of Laundry products Laundry aid (non-gasing); Automatic process

The quantitative risk characterisation for this environmental exposure has been calculated using EasyTRA.

The environmental exposure calculation per compartment is based on the algorithms of the EU TGD 2003 Risk Assessment Spreadsheet Model 1.24a.

10.32.1.1 Aquatic compartment (including sediment)

Compartments	PEC	PNEC	RCR = PEC/PNEC
Freshwater	0.00315 mg/L	0.100 mg/L	0.031497

Compartments	PEC	PNEC	RCR = PEC/PNEC
Freshwater sediment	0.018656 mg/kg _{dwt}	0.292 mg/kg _{dwt}	0.06389
Marine water	0.000303 mg/L	0.010 mg/L	0.03033
Marine water sediment	0.001796 mg/kg _{dwt}	0.0292 mg/kg _{dwt}	0.061521

10.32.1.2 Terrestrial compartment

Compartments	PEC	PNEC	RCR = PEC/PNEC
Agricultural soil	0.000191 mg/kg _{dwt}	13.1 mg/kg _{dwt}	0.000015
Grassland	0.00004 mg/kg _{dwt}	13.1 mg/kg _{dwt}	3.07E-6

10.32.1.3 Microbiological activity in sewage treatment systems

Compartments	PEC	PNEC	RCR = PEC/PNEC
STP	0.00062 mg/L	50 mg/L	0.000012

10.32.1.4 Secondary poisoning / Man via environment

Secondary poisoning considers indirect exposure of man via foods, air and drinking water. The following table shows the calculated exposure to the substance from exemplary food sources at different trophic levels together with the total exposure over all routes and food sources.

Food source	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
Fish	7.15E-6 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-7
Root crop	3.33E-7 mg/kg _{bw} /day	10 mg/kg _{bw} /day	3.33E-8
Leaf crop	0.00001 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.00E-6
Milk	1.33E-8 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.33E-9
Meat	7.15E-10 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-11
Drinking water	0.000088 mg/kg _{bw} /day	10 mg/kg _{bw} /day	8.82E-6
inhalation	2.57E-11 mg/kg _{bw} /day	10 mg/kg _{bw} /day	2.57E-12
Total	0.000011 mg/kg _{bw} /day	10 mg/kg _{bw} /day	0.000011

10.32.2 Contributing Scenario (2) controlling industrial worker exposure for PROC 8B

Industrial use of Laundry products Laundry aid (non-gasing); Automatic process

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	0.068571 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.001371
inhalation	0.375 mg/m ³	350 mg/m ³	0.001071
Combined routes	0.122143 mg/kg _{bw} /day	-	0.002443

10.32.3 Contributing Scenario (3) controlling industrial worker exposure for PROC 2

Industrial use of Laundry products Laundry aid (non-gasing); Automatic process

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	1.371 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.027429
inhalation	0.1875 mg/m ³	350 mg/m ³	0.000536
Combined routes	1.398 mg/kg _{bw} /day	-	0.027964

10.33 Scenario 33: Industrial use of Laundry products Laundry detergent; Automatic process (TST2, TST1)

The following RCR calculations refer to the contributing scenarios described in chapter 9.33

10.33.1 Contributing Scenario (1) controlling environmental exposure for ERC4 *Industrial use of Laundry products Laundry detergent; Automatic process (TST2, TST1)*

The quantitative risk characterisation for this environmental exposure has been calculated using EasyTRA.

The environmental exposure calculation per compartment is based on the algorithms of the EU TGD 2003 Risk Assessment Spreadsheet Model 1.24a.

10.33.1.1 Aquatic compartment (including sediment)

Compartments	PEC	PNEC	RCR = PEC/PNEC
Freshwater	0.031364 mg/L	0.100 mg/L	0.313639
Freshwater sediment	0.185768 mg/kg _{dwt}	0.292 mg/kg _{dwt}	0.636193
Marine water	0.003125 mg/L	0.010 mg/L	0.312472
Marine water sediment	0.018508 mg/kg _{dwt}	0.0292 mg/kg _{dwt}	0.633825

10.33.1.2 Terrestrial compartment

Compartments	PEC	PNEC	RCR = PEC/PNEC
Agricultural soil	0.077276 mg/kg _{dwt}	13.1 mg/kg _{dwt}	0.005899
Grassland	0.008636 mg/kg _{dwt}	13.1 mg/kg _{dwt}	0.000659

10.33.1.3 Microbiological activity in sewage treatment systems

Compartments	PEC	PNEC	RCR = PEC/PNEC
STP	0.282772 mg/L	50 mg/L	0.005655

10.33.1.4 Secondary poisoning / Man via environment

Secondary poisoning considers indirect exposure of man via foods, air and drinking water. The following table shows the calculated exposure to the substance from exemplary food sources at different trophic levels together with the total exposure over all routes and food sources.

Food source	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
Fish	7.15E-6 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-7
Root crop	3.33E-7 mg/kg _{bw} /day	10 mg/kg _{bw} /day	3.33E-8
Leaf crop	0.00001 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.00E-6
Milk	1.33E-8 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.33E-9
Meat	7.15E-10 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-11
Drinking water	0.000088 mg/kg _{bw} /day	10 mg/kg _{bw} /day	8.82E-6
inhalation	2.57E-11 mg/kg _{bw} /day	10 mg/kg _{bw} /day	2.57E-12
Total	0.000011	10 mg/kg _{bw} /day	0.000011

Food source	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
	mg/kg _{bw} /day		

10.33.2 Contributing Scenario (2) controlling industrial worker exposure for PROC 2

Industrial use of Laundry products Laundry detergent; Automatic process (TST2, TST1)

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	1.371 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.027429
inhalation	0.1875 mg/m ³	350 mg/m ³	0.000536
Combined routes	1.398 mg/kg _{bw} /day	-	0.027964

10.33.3 Contributing Scenario (3) controlling industrial worker exposure for PROC 8B

Industrial use of Laundry products Laundry detergent; Automatic process (TST2, TST1)

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	0.068571 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.001371
inhalation	0.375 mg/m ³	350 mg/m ³	0.001071
Combined routes	0.122143 mg/kg _{bw} /day	-	0.002443

10.34 Scenario 34: Industrial use of Metal Treatment Products Hot metal working fluid; Automatic process

The following RCR calculations refer to the contributing scenarios described in chapter 9.34

10.34.1 Contributing Scenario (1) controlling environmental exposure for ERC4 *Industrial use of Metal Treatment Products Hot metal working fluid; Automatic process*

The quantitative risk characterisation for this environmental exposure has been calculated using EasyTRA.

The environmental exposure calculation per compartment is based on the algorithms of the EU TGD 2003 Risk Assessment Spreadsheet Model 1.24a.

10.34.1.1 Aquatic compartment (including sediment)

Compartments	PEC	PNEC	RCR = PEC/PNEC
Freshwater	0.031364 mg/L	0.100 mg/L	0.313639
Freshwater sediment	0.185768 mg/kg _{dwt}	0.292 mg/kg _{dwt}	0.636193
Marine water	0.003125 mg/L	0.010 mg/L	0.312472
Marine water sediment	0.018508 mg/kg _{dwt}	0.0292 mg/kg _{dwt}	0.633825

10.34.1.2 Terrestrial compartment

Compartments	PEC	PNEC	RCR = PEC/PNEC
Agricultural soil	0.077276 mg/kg _{dwt}	13.1 mg/kg _{dwt}	0.005899
Grassland	0.008636 mg/kg _{dwt}	13.1 mg/kg _{dwt}	0.000659

10.34.1.3 Microbiological activity in sewage treatment systems

Compartments	PEC	PNEC	RCR = PEC/PNEC
STP	0.282772 mg/L	50 mg/L	0.005655

10.34.1.4 Secondary poisoning / Man via environment

Secondary poisoning considers indirect exposure of man via foods, air and drinking water. The following table shows the calculated exposure to the substance from exemplary food sources at different trophic levels together with the total exposure over all routes and food sources.

Food source	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
Fish	7.15E-6 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-7
Root crop	3.33E-7 mg/kg _{bw} /day	10 mg/kg _{bw} /day	3.33E-8

Food source	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
Leaf crop	0.00001 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.00E-6
Milk	1.33E-8 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.33E-9
Meat	7.15E-10 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-11
Drinking water	0.000088 mg/kg _{bw} /day	10 mg/kg _{bw} /day	8.82E-6
inhalation	2.57E-11 mg/kg _{bw} /day	10 mg/kg _{bw} /day	2.57E-12
Total	0.000011 mg/kg _{bw} /day	10 mg/kg _{bw} /day	0.000011

10.34.2 Contributing Scenario (2) controlling industrial worker exposure for PROC 8B

Industrial use of Metal Treatment Products Hot metal working fluid; Automatic process

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	0.006857 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.000137
inhalation	0.03375 mg/m ³	350 mg/m ³	0.000096
Combined routes	0.011679 mg/kg _{bw} /day	-	0.000234

10.35 Scenario 35: Industrial use of Metal Treatment Products Metal working fluid (rolling oils, lubricants); Automatic process

The following RCR calculations refer to the contributing scenarios described in chapter 9.35

10.35.1 Contributing Scenario (1) controlling environmental exposure for ERC4

Industrial use of Metal Treatment Products Metal working fluid (rolling oils, lubricants); Automatic process

The quantitative risk characterisation for this environmental exposure has been calculated using EasyTRA.

The environmental exposure calculation per compartment is based on the algorithms of the EU TGD 2003 Risk Assessment Spreadsheet Model 1.24a.

10.35.1.1 Aquatic compartment (including sediment)

Compartments	PEC	PNEC	RCR = PEC/PNEC
Freshwater	0.031364 mg/L	0.100 mg/L	0.313639
Freshwater sediment	0.185768 mg/kg _{dwt}	0.292 mg/kg _{dwt}	0.636193
Marine water	0.003125 mg/L	0.010 mg/L	0.312472
Marine water sediment	0.018508 mg/kg _{dwt}	0.0292 mg/kg _{dwt}	0.633825

10.35.1.2 Terrestrial compartment

Compartments	PEC	PNEC	RCR = PEC/PNEC
Agricultural soil	0.077276 mg/kg _{dwt}	13.1 mg/kg _{dwt}	0.005899
Grassland	0.008636 mg/kg _{dwt}	13.1 mg/kg _{dwt}	0.000659

10.35.1.3 Microbiological activity in sewage treatment systems

Compartments	PEC	PNEC	RCR = PEC/PNEC
STP	0.282772 mg/L	50 mg/L	0.005655

10.35.1.4 Secondary poisoning / Man via environment

Secondary poisoning considers indirect exposure of man via foods, air and drinking water. The following table shows the calculated exposure to the substance from exemplary food sources at different trophic levels together with the total exposure over all routes and food sources.

Food source	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
Fish	7.15E-6 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-7
Root crop	3.33E-7 mg/kg _{bw} /day	10 mg/kg _{bw} /day	3.33E-8
Leaf crop	0.00001 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.00E-6
Milk	1.33E-8 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.33E-9
Meat	7.15E-10 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-11
Drinking water	0.000088 mg/kg _{bw} /day	10 mg/kg _{bw} /day	8.82E-6
inhalation	2.57E-11 mg/kg _{bw} /day	10 mg/kg _{bw} /day	2.57E-12

Food source	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
Total	0.000011 mg/kg _{bw} /day	10 mg/kg _{bw} /day	0.000011

10.35.2 Contributing Scenario (2) controlling industrial worker exposure for PROC 17

Industrial use of Metal Treatment Products Metal working fluid (rolling oils, lubricants); Automatic process

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	0.013714 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.000274
inhalation	0.09375 mg/m ³	350 mg/m ³	0.000268
Combined routes	0.027107 mg/kg _{bw} /day	-	0.000542

10.35.3 Contributing Scenario (3) controlling industrial worker exposure for PROC 8B

Industrial use of Metal Treatment Products Metal working fluid (rolling oils, lubricants); Automatic process

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	0.006857 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.000137
inhalation	0.01125 mg/m ³	350 mg/m ³	0.000032
Combined routes	0.008464 mg/kg _{bw} /day	-	0.000169

10.36 Scenario 36: Industrial use of Metal Treatment Products Surface finishing product; Manual with no process water recycling process

The following RCR calculations refer to the contributing scenarios described in chapter 9.36

10.36.1 Contributing Scenario (1) controlling environmental exposure for ERC4 *Industrial use of Metal Treatment Products Surface finishing product; Manual with no process water recycling process*

The quantitative risk characterisation for this environmental exposure has been calculated using EasyTRA.

The environmental exposure calculation per compartment is based on the algorithms of the EU TGD 2003 Risk Assessment Spreadsheet Model 1.24a.

10.36.1.1 Aquatic compartment (including sediment)

Compartments	PEC	PNEC	RCR = PEC/PNEC
Freshwater	0.031364 mg/L	0.100 mg/L	0.313639
Freshwater sediment	0.185768 mg/kg _{dwt}	0.292 mg/kg _{dwt}	0.636193
Marine water	0.003125 mg/L	0.010 mg/L	0.312472
Marine water sediment	0.018508 mg/kg _{dwt}	0.0292 mg/kg _{dwt}	0.633825

10.36.1.2 Terrestrial compartment

Compartments	PEC	PNEC	RCR = PEC/PNEC
Agricultural soil	0.077276 mg/kg _{dwt}	13.1 mg/kg _{dwt}	0.005899
Grassland	0.008636 mg/kg _{dwt}	13.1 mg/kg _{dwt}	0.000659

10.36.1.3 Microbiological activity in sewage treatment systems

Compartments	PEC	PNEC	RCR = PEC/PNEC
STP	0.282772 mg/L	50 mg/L	0.005655

10.36.1.4 Secondary poisoning / Man via environment

Secondary poisoning considers indirect exposure of man via foods, air and drinking water. The following table shows the calculated exposure to the substance from exemplary food sources at different trophic levels together with the total exposure over all routes and food sources.

Food source	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
Fish	7.15E-6 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-7
Root crop	3.33E-7 mg/kg _{bw} /day	10 mg/kg _{bw} /day	3.33E-8
Leaf crop	0.00001 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.00E-6
Milk	1.33E-8 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.33E-9
Meat	7.15E-10 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-11
Drinking water	0.000088 mg/kg _{bw} /day	10 mg/kg _{bw} /day	8.82E-6
inhalation	2.57E-11 mg/kg _{bw} /day	10 mg/kg _{bw} /day	2.57E-12
Total	0.000011 mg/kg _{bw} /day	10 mg/kg _{bw} /day	0.000011

10.36.2 Contributing Scenario (2) controlling industrial worker exposure for PROC 8A

Industrial use of Metal Treatment Products Surface finishing product; Manual with no process water recycling process

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	0.001371 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.000027
inhalation	0.01875 mg/m ³	350 mg/m ³	0.000054
Combined routes	0.00405 mg/kg _{bw} /day	-	0.000081

10.36.3 Contributing Scenario (3) controlling industrial worker exposure for PROC 4

Industrial use of Metal Treatment Products Surface finishing product; Manual with no process water recycling process

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	0.006857 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.000137
inhalation	0.1875 mg/m ³	350 mg/m ³	0.000536
Combined routes	0.033643 mg/kg _{bw} /day	-	0.000673

10.37 Scenario 37: Industrial use of Metal Treatment Products Surface finishing product; Manual with water recycling process

The following RCR calculations refer to the contributing scenarios described in chapter 9.37

10.37.1 Contributing Scenario (1) controlling environmental exposure for ERC4 Industrial use of Metal Treatment Products Surface finishing product; Manual with water recycling process

The quantitative risk characterisation for this environmental exposure has been calculated using EasyTRA.

The environmental exposure calculation per compartment is based on the algorithms of the EU TGD 2003 Risk Assessment Spreadsheet Model 1.24a.

10.37.1.1 Aquatic compartment (including sediment)

Compartments	PEC	PNEC	RCR = PEC/PNEC
Freshwater	0.031364 mg/L	0.100 mg/L	0.313639
Freshwater sediment	0.185768 mg/kg _{dwt}	0.292 mg/kg _{dwt}	0.636193
Marine water	0.003125 mg/L	0.010 mg/L	0.312472
Marine water sediment	0.018508 mg/kg _{dwt}	0.0292 mg/kg _{dwt}	0.633825

10.37.1.2 Terrestrial compartment

Compartments	PEC	PNEC	RCR = PEC/PNEC
Agricultural soil	0.077276 mg/kg _{dwt}	13.1 mg/kg _{dwt}	0.005899
Grassland	0.008636 mg/kg _{dwt}	13.1 mg/kg _{dwt}	0.000659

10.37.1.3 Microbiological activity in sewage treatment systems

Compartments	PEC	PNEC	RCR = PEC/PNEC
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Compartments	PEC	PNEC	RCR = PEC/PNEC
STP	0.282772 mg/L	50 mg/L	0.005655

10.37.1.4 Secondary poisoning / Man via environment

Secondary poisoning considers indirect exposure of man via foods, air and drinking water. The following table shows the calculated exposure to the substance from exemplary food sources at different trophic levels together with the total exposure over all routes and food sources.

Food source	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
Fish	7.15E-6 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-7
Root crop	3.33E-7 mg/kg _{bw} /day	10 mg/kg _{bw} /day	3.33E-8
Leaf crop	0.00001 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.00E-6
Milk	1.33E-8 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.33E-9
Meat	7.15E-10 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-11
Drinking water	0.000088 mg/kg _{bw} /day	10 mg/kg _{bw} /day	8.82E-6
inhalation	2.57E-11 mg/kg _{bw} /day	10 mg/kg _{bw} /day	2.57E-12
Total	0.000011 mg/kg _{bw} /day	10 mg/kg _{bw} /day	0.000011

10.37.2 Contributing Scenario (2) controlling industrial worker exposure for PROC 4

Industrial use of Metal Treatment Products Surface finishing product; Manual with water recycling process

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	0.006857 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.000137
inhalation	0.1875 mg/m ³	350 mg/m ³	0.000536
Combined routes	0.033643 mg/kg _{bw} /day	-	0.000673

10.37.3 Contributing Scenario (3) controlling industrial worker exposure for PROC 8A

Industrial use of Metal Treatment Products Surface finishing product; Manual with water recycling process

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	0.001371 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.000027
inhalation	0.01875 mg/m ³	350 mg/m ³	0.000054
Combined routes	0.00405 mg/kg _{bw} /day	-	0.000081

10.38 Scenario 38: Industrial use of Metal Treatment Products* Coating product (Paint, Filler, Putty, Thinner); Automatic process

The following RCR calculations refer to the contributing scenarios described in chapter 9.38

10.38.1 Contributing Scenario (1) controlling environmental exposure for ERC4 *Industrial use of Metal Treatment Products* Coating product (Paint, Filler, Putty, Thinner); Automatic process*

The quantitative risk characterisation for this environmental exposure has been calculated using EasyTRA.

The environmental exposure calculation per compartment is based on the algorithms of the EU TGD 2003 Risk Assessment Spreadsheet Model 1.24a.

10.38.1.1 Aquatic compartment (including sediment)

Compartments	PEC	PNEC	RCR = PEC/PNEC
Freshwater	0.031364 mg/L	0.100 mg/L	0.313639
Freshwater sediment	0.185768 mg/kg _{dwt}	0.292 mg/kg _{dwt}	0.636193
Marine water	0.003125 mg/L	0.010 mg/L	0.312472
Marine water sediment	0.018508 mg/kg _{dwt}	0.0292 mg/kg _{dwt}	0.633825

10.38.1.2 Terrestrial compartment

Compartments	PEC	PNEC	RCR = PEC/PNEC
Agricultural soil	0.077276 mg/kg _{dwt}	13.1 mg/kg _{dwt}	0.005899
Grassland	0.008636 mg/kg _{dwt}	13.1 mg/kg _{dwt}	0.000659

10.38.1.3 Microbiological activity in sewage treatment systems

Compartments	PEC	PNEC	RCR = PEC/PNEC
STP	0.282772 mg/L	50 mg/L	0.005655

10.38.1.4 Secondary poisoning / Man via environment

Secondary poisoning considers indirect exposure of man via foods, air and drinking water. The following table shows the calculated exposure to the substance from exemplary food sources at different trophic levels together with the total exposure over all routes and food sources.

Food source	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
Fish	7.15E-6 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-7
Root crop	3.33E-7 mg/kg _{bw} /day	10 mg/kg _{bw} /day	3.33E-8
Leaf crop	0.00001 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.00E-6
Milk	1.33E-8 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.33E-9
Meat	7.15E-10 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-11
Drinking water	0.000088 mg/kg _{bw} /day	10 mg/kg _{bw} /day	8.82E-6
inhalation	2.57E-11 mg/kg _{bw} /day	10 mg/kg _{bw} /day	2.57E-12
Total	0.000011 mg/kg _{bw} /day	10 mg/kg _{bw} /day	0.000011

10.38.2 Contributing Scenario (2) controlling industrial worker exposure for PROC 2

Industrial use of Metal Treatment Products Coating product (Paint, Filler, Putty, Thinner); Automatic process*

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory

route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	0.001371 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.000027
inhalation	0.1875 mg/m ³	350 mg/m ³	0.000536
Combined routes	0.028157 mg/kg _{bw} /day	-	0.000563

10.38.3 Contributing Scenario (3) controlling industrial worker exposure for PROC 8B

Industrial use of Metal Treatment Products Coating product (Paint, Filler, Putty, Thinner); Automatic process*

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	0.006857 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.000137
inhalation	0.03375 mg/m ³	350 mg/m ³	0.000096
Combined routes	0.011679 mg/kg _{bw} /day	-	0.000234

10.39 Scenario 39: Industrial use of Metal Treatment Products* Coating product (Paint, Filler, Putty, Thinner); Manual process

The following RCR calculations refer to the contributing scenarios described in chapter 9.39

10.39.1 Contributing Scenario (1) controlling environmental exposure for ERC4

Industrial use of Metal Treatment Products Coating product (Paint, Filler, Putty, Thinner); Manual process*

The quantitative risk characterisation for this environmental exposure has been calculated using EasyTRA.

The environmental exposure calculation per compartment is based on the algorithms of the EU TGD 2003 Risk Assessment Spreadsheet Model 1.24a.

10.39.1.1 Aquatic compartment (including sediment)

Compartments	PEC	PNEC	RCR = PEC/PNEC
Freshwater	0.031364 mg/L	0.100 mg/L	0.313639
Freshwater sediment	0.185768 mg/kg _{dwt}	0.292 mg/kg _{dwt}	0.636193
Marine water	0.003125 mg/L	0.010 mg/L	0.312472
Marine water sediment	0.018508 mg/kg _{dwt}	0.0292 mg/kg _{dwt}	0.633825

10.39.1.2 Terrestrial compartment

Compartments	PEC	PNEC	RCR = PEC/PNEC
Agricultural soil	0.077276 mg/kg _{dwt}	13.1 mg/kg _{dwt}	0.005899
Grassland	0.008636 mg/kg _{dwt}	13.1 mg/kg _{dwt}	0.000659

10.39.1.3 Microbiological activity in sewage treatment systems

Compartments	PEC	PNEC	RCR = PEC/PNEC
STP	0.282772 mg/L	50 mg/L	0.005655

10.39.1.4 Secondary poisoning / Man via environment

Secondary poisoning considers indirect exposure of man via foods, air and drinking water. The following table shows the calculated exposure to the substance from exemplary food sources at different trophic levels together with the total exposure over all routes and food sources.

Food source	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
Fish	7.15E-6 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-7
Root crop	3.33E-7 mg/kg _{bw} /day	10 mg/kg _{bw} /day	3.33E-8
Leaf crop	0.00001 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.00E-6
Milk	1.33E-8 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.33E-9
Meat	7.15E-10 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-11
Drinking water	0.000088 mg/kg _{bw} /day	10 mg/kg _{bw} /day	8.82E-6
inhalation	2.57E-11 mg/kg _{bw} /day	10 mg/kg _{bw} /day	2.57E-12
Total	0.000011 mg/kg _{bw} /day	10 mg/kg _{bw} /day	0.000011

10.39.2 Contributing Scenario (2) controlling industrial worker exposure for PROC 10

Industrial use of Metal Treatment Products Coating product (Paint, Filler, Putty, Thinner); Manual process*

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	0.013714 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.000274
inhalation	0.1875 mg/m ³	350 mg/m ³	0.000536
Combined routes	0.0405 mg/kg _{bw} /day	-	0.00081

10.39.3 Contributing Scenario (3) controlling industrial worker exposure for PROC 8A

Industrial use of Metal Treatment Products Coating product (Paint, Filler, Putty, Thinner); Manual process*

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	0.001371 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.000027
inhalation	0.1125 mg/m ³	350 mg/m ³	0.000321
Combined routes	0.017443 mg/kg _{bw} /day	-	0.000349

10.40 Scenario 40: Industrial use of Metal Treatment Products* Coating product (Paint, Filler, Putty, Thinner); Semi-Automatic process

The following RCR calculations refer to the contributing scenarios described in chapter 9.40

10.40.1 Contributing Scenario (1) controlling environmental exposure for ERC4

Industrial use of Metal Treatment Products Coating product (Paint, Filler, Putty, Thinner); Semi-Automatic process*

The quantitative risk characterisation for this environmental exposure has been calculated using EasyTRA.

The environmental exposure calculation per compartment is based on the algorithms of the EU TGD 2003 Risk Assessment Spreadsheet Model 1.24a.

10.40.1.1 Aquatic compartment (including sediment)

Compartments	PEC	PNEC	RCR = PEC/PNEC
Freshwater	0.031364 mg/L	0.100 mg/L	0.313639
Freshwater sediment	0.185768 mg/kg _{dwt}	0.292 mg/kg _{dwt}	0.636193
Marine water	0.003125 mg/L	0.010 mg/L	0.312472
Marine water sediment	0.018508 mg/kg _{dwt}	0.0292 mg/kg _{dwt}	0.633825

10.40.1.2 Terrestrial compartment

Compartments	PEC	PNEC	RCR = PEC/PNEC
Agricultural soil	0.077276 mg/kg _{dwt}	13.1 mg/kg _{dwt}	0.005899
Grassland	0.008636 mg/kg _{dwt}	13.1 mg/kg _{dwt}	0.000659

10.40.1.3 Microbiological activity in sewage treatment systems

Compartments	PEC	PNEC	RCR = PEC/PNEC
STP	0.282772 mg/L	50 mg/L	0.005655

10.40.1.4 Secondary poisoning / Man via environment

Secondary poisoning considers indirect exposure of man via foods, air and drinking water. The following table shows the calculated exposure to the substance from exemplary food sources at different trophic levels together with the total exposure over all routes and food sources.

Food source	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
Fish	7.15E-6 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-7
Root crop	3.33E-7 mg/kg _{bw} /day	10 mg/kg _{bw} /day	3.33E-8
Leaf crop	0.00001 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.00E-6
Milk	1.33E-8 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.33E-9
Meat	7.15E-10	10 mg/kg _{bw} /day	7.15E-11

Food source	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
	mg/kg _{bw} /day		
Drinking water	0.000088 mg/kg _{bw} /day	10 mg/kg _{bw} /day	8.82E-6
inhalation	2.57E-11 mg/kg _{bw} /day	10 mg/kg _{bw} /day	2.57E-12
Total	0.000011 mg/kg _{bw} /day	10 mg/kg _{bw} /day	0.000011

10.40.2 Contributing Scenario (2) controlling industrial worker exposure for PROC 4

Industrial use of Metal Treatment Products Coating product (Paint, Filler, Putty, Thinner); Semi-Automatic process*

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	0.006857 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.000137
inhalation	0.1875 mg/m ³	350 mg/m ³	0.000536
Combined routes	0.033643 mg/kg _{bw} /day	-	0.000673

10.40.3 Contributing Scenario (3) controlling industrial worker exposure for PROC 8A

Industrial use of Metal Treatment Products Coating product (Paint, Filler, Putty, Thinner); Semi-Automatic process*

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	0.001371	50 mg/kg _{bw} /day	0.000027

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
	mg/kg _{bw} /day		
inhalation	0.1125 mg/m ³	350 mg/m ³	0.000321
Combined routes	0.017443 mg/kg _{bw} /day	-	0.000349

10.41 Scenario 41: Industrial use of Metal Treatment Products* Conversion Layer agent; Automatic process

The following RCR calculations refer to the contributing scenarios described in chapter 9.41

10.41.1 Contributing Scenario (1) controlling environmental exposure for ERC5 *Industrial use of Metal Treatment Products* Conversion Layer agent; Automatic process*

The quantitative risk characterisation for this environmental exposure has been calculated using EasyTRA.

The environmental exposure calculation per compartment is based on the algorithms of the EU TGD 2003 Risk Assessment Spreadsheet Model 1.24a.

10.41.1.1 Aquatic compartment (including sediment)

Compartments	PEC	PNEC	RCR = PEC/PNEC
Freshwater	0.017226 mg/L	0.100 mg/L	0.172258
Freshwater sediment	0.102029 mg/kg _{dwt}	0.292 mg/kg _{dwt}	0.349413
Marine water	0.001711 mg/L	0.010 mg/L	0.171091
Marine water sediment	0.010134 mg/kg _{dwt}	0.0292 mg/kg _{dwt}	0.347044

10.41.1.2 Terrestrial compartment

Compartments	PEC	PNEC	RCR = PEC/PNEC
Agricultural soil	0.038649 mg/kg _{dwt}	13.1 mg/kg _{dwt}	0.00295
Grassland	0.00433 mg/kg _{dwt}	13.1 mg/kg _{dwt}	0.00033

10.41.1.3 Microbiological activity in sewage treatment systems

Compartments	PEC	PNEC	RCR = PEC/PNEC
STP	0.141386 mg/L	50 mg/L	0.002828

10.41.1.4 Secondary poisoning / Man via environment

Secondary poisoning considers indirect exposure of man via foods, air and drinking water. The following table shows the calculated exposure to the substance from exemplary food sources at different trophic levels together with the total exposure over all routes and food sources.

Food source	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
Fish	7.15E-6 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-7
Root crop	3.33E-7 mg/kg _{bw} /day	10 mg/kg _{bw} /day	3.33E-8
Leaf crop	0.00001 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.00E-6
Milk	1.33E-8 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.33E-9
Meat	7.15E-10 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-11
Drinking water	0.000088 mg/kg _{bw} /day	10 mg/kg _{bw} /day	8.82E-6
inhalation	2.57E-11 mg/kg _{bw} /day	10 mg/kg _{bw} /day	2.57E-12
Total	0.000011 mg/kg _{bw} /day	10 mg/kg _{bw} /day	0.000011

10.41.2 Contributing Scenario (2) controlling industrial worker exposure for PROC 2

Industrial use of Metal Treatment Products Conversion Layer agent; Automatic process*

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	0.001371 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.000027
inhalation	0.1875 mg/m ³	350 mg/m ³	0.000536
Combined routes	0.028157 mg/kg _{bw} /day	-	0.000563

10.41.3 Contributing Scenario (3) controlling industrial worker exposure for PROC 8B

Industrial use of Metal Treatment Products Conversion Layer agent; Automatic process*

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	0.006857 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.000137
inhalation	0.01125 mg/m ³	350 mg/m ³	0.000032
Combined routes	0.008464 mg/kg _{bw} /day	-	0.000169

10.41.4 Contributing Scenario (4) controlling industrial worker exposure for PROC 10

Industrial use of Metal Treatment Products Conversion Layer agent; Automatic process*

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	0.013714 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.000274
inhalation	0.1875 mg/m ³	350 mg/m ³	0.000536
Combined routes	0.0405 mg/kg _{bw} /day	-	0.00081

10.41.5 Contributing Scenario (5) controlling industrial worker exposure for PROC 8A

Industrial use of Metal Treatment Products Conversion Layer agent; Automatic process*

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory

route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	0.001371 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.000027
inhalation	0.0375 mg/m ³	350 mg/m ³	0.000107
Combined routes	0.006729 mg/kg _{bw} /day	-	0.000135

10.42 Scenario 42: Industrial use of Metal Treatment Products* Metal cleaner (degreaser, descaler, etch); Automatic process

The following RCR calculations refer to the contributing scenarios described in chapter 9.42

10.42.1 Contributing Scenario (1) controlling environmental exposure for ERC4 Industrial use of Metal Treatment Products* Metal cleaner (degreaser, descaler, etch); Automatic process

The quantitative risk characterisation for this environmental exposure has been calculated using EasyTRA.

The environmental exposure calculation per compartment is based on the algorithms of the EU TGD 2003 Risk Assessment Spreadsheet Model 1.24a.

10.42.1.1 Aquatic compartment (including sediment)

Compartments	PEC	PNEC	RCR = PEC/PNEC
Freshwater	0.031364 mg/L	0.100 mg/L	0.313639
Freshwater sediment	0.185768 mg/kg _{dwt}	0.292 mg/kg _{dwt}	0.636193
Marine water	0.003125 mg/L	0.010 mg/L	0.312472
Marine water sediment	0.018508 mg/kg _{dwt}	0.0292 mg/kg _{dwt}	0.633825

10.42.1.2 Terrestrial compartment

Compartments	PEC	PNEC	RCR = PEC/PNEC
Agricultural soil	0.077276 mg/kg _{dwt}	13.1 mg/kg _{dwt}	0.005899
Grassland	0.008636 mg/kg _{dwt}	13.1 mg/kg _{dwt}	0.000659

10.42.1.3 Microbiological activity in sewage treatment systems

Compartments	PEC	PNEC	RCR = PEC/PNEC
STP	0.282772 mg/L	50 mg/L	0.005655

10.42.1.4 Secondary poisoning / Man via environment

Secondary poisoning considers indirect exposure of man via foods, air and drinking water. The following table shows the calculated exposure to the substance from exemplary food sources at different trophic levels together with the total exposure over all routes and food sources.

Food source	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
Fish	7.15E-6 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-7
Root crop	3.33E-7 mg/kg _{bw} /day	10 mg/kg _{bw} /day	3.33E-8
Leaf crop	0.00001 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.00E-6
Milk	1.33E-8 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.33E-9
Meat	7.15E-10 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-11
Drinking water	0.000088 mg/kg _{bw} /day	10 mg/kg _{bw} /day	8.82E-6
inhalation	2.57E-11 mg/kg _{bw} /day	10 mg/kg _{bw} /day	2.57E-12
Total	0.000011 mg/kg _{bw} /day	10 mg/kg _{bw} /day	0.000011

10.42.2 Contributing Scenario (2) controlling industrial worker exposure for PROC 8B

Industrial use of Metal Treatment Products Metal cleaner (degreaser, descaler, etch); Automatic process*

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	0.006857 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.000137
inhalation	0.01125 mg/m ³	350 mg/m ³	0.000032
Combined routes	0.008464 mg/kg _{bw} /day	-	0.000169

10.42.3 Contributing Scenario (3) controlling industrial worker exposure for PROC 2

Industrial use of Metal Treatment Products Metal cleaner (degreaser, descaler, etch); Automatic process*

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	0.001371 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.000027
inhalation	0.1875 mg/m ³	350 mg/m ³	0.000536
Combined routes	0.028157 mg/kg _{bw} /day	-	0.000563

10.43 Scenario 43: Industrial use of Metal Treatment Products* Metal cleaner (degreaser, descaler, etch); Manual process

The following RCR calculations refer to the contributing scenarios described in chapter 9.43

10.43.1 Contributing Scenario (1) controlling environmental exposure for ERC4

Industrial use of Metal Treatment Products Metal cleaner (degreaser, descaler, etch); Manual process*

The quantitative risk characterisation for this environmental exposure has been calculated using EasyTRA.

The environmental exposure calculation per compartment is based on the algorithms of the EU TGD 2003 Risk Assessment Spreadsheet Model 1.24a.

10.43.1.1 Aquatic compartment (including sediment)

Compartments	PEC	PNEC	RCR = PEC/PNEC
Freshwater	0.031364 mg/L	0.100 mg/L	0.313639
Freshwater sediment	0.185768 mg/kg _{dwt}	0.292 mg/kg _{dwt}	0.636193
Marine water	0.003125 mg/L	0.010 mg/L	0.312472
Marine water sediment	0.018508 mg/kg _{dwt}	0.0292 mg/kg _{dwt}	0.633825

10.43.1.2 Terrestrial compartment

Compartments	PEC	PNEC	RCR = PEC/PNEC
Agricultural soil	0.077276 mg/kg _{dwt}	13.1 mg/kg _{dwt}	0.005899
Grassland	0.008636 mg/kg _{dwt}	13.1 mg/kg _{dwt}	0.000659

10.43.1.3 Microbiological activity in sewage treatment systems

Compartments	PEC	PNEC	RCR = PEC/PNEC
STP	0.282772 mg/L	50 mg/L	0.005655

10.43.1.4 Secondary poisoning / Man via environment

Secondary poisoning considers indirect exposure of man via foods, air and drinking water. The following table shows the calculated exposure to the substance from exemplary food sources at different trophic levels together with the total exposure over all routes and food sources.

Food source	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
Fish	7.15E-6 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-7
Root crop	3.33E-7 mg/kg _{bw} /day	10 mg/kg _{bw} /day	3.33E-8
Leaf crop	0.00001 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.00E-6
Milk	1.33E-8 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.33E-9
Meat	7.15E-10 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-11
Drinking water	0.000088 mg/kg _{bw} /day	10 mg/kg _{bw} /day	8.82E-6
inhalation	2.57E-11 mg/kg _{bw} /day	10 mg/kg _{bw} /day	2.57E-12
Total	0.000011 mg/kg _{bw} /day	10 mg/kg _{bw} /day	0.000011

10.43.2 Contributing Scenario (2) controlling industrial worker exposure for PROC 8A

Industrial use of Metal Treatment Products Metal cleaner (degreaser, descaler, etch); Manual process*

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	0.001371 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.000027
inhalation	0.0375 mg/m ³	350 mg/m ³	0.000107
Combined routes	0.006729 mg/kg _{bw} /day	-	0.000135

10.43.3 Contributing Scenario (3) controlling industrial worker exposure for PROC 10

Industrial use of Metal Treatment Products Metal cleaner (degreaser, descaler, etch); Manual process*

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	0.013714 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.000274
inhalation	0.1875 mg/m ³	350 mg/m ³	0.000536
Combined routes	0.0405 mg/kg _{bw} /day	-	0.00081

10.44 Scenario 44: Industrial use of Metal Treatment Products* Metal cleaner (degreaser, descaler, etch); Semi-Automatic process

The following RCR calculations refer to the contributing scenarios described in chapter 9.44

10.44.1 Contributing Scenario (1) controlling environmental exposure for ERC4

Industrial use of Metal Treatment Products Metal cleaner (degreaser, descaler, etch); Semi-Automatic process*

The quantitative risk characterisation for this environmental exposure has been calculated using EasyTRA.

The environmental exposure calculation per compartment is based on the algorithms of the EU TGD 2003 Risk Assessment Spreadsheet Model 1.24a.

10.44.1.1 Aquatic compartment (including sediment)

Compartments	PEC	PNEC	RCR = PEC/PNEC
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Compartments	PEC	PNEC	RCR = PEC/PNEC
Freshwater	0.031364 mg/L	0.100 mg/L	0.313639
Freshwater sediment	0.185768 mg/kg _{dwt}	0.292 mg/kg _{dwt}	0.636193
Marine water	0.003125 mg/L	0.010 mg/L	0.312472
Marine water sediment	0.018508 mg/kg _{dwt}	0.0292 mg/kg _{dwt}	0.633825

10.44.1.2 Terrestrial compartment

Compartments	PEC	PNEC	RCR = PEC/PNEC
Agricultural soil	0.077276 mg/kg _{dwt}	13.1 mg/kg _{dwt}	0.005899
Grassland	0.008636 mg/kg _{dwt}	13.1 mg/kg _{dwt}	0.000659

10.44.1.3 Microbiological activity in sewage treatment systems

Compartments	PEC	PNEC	RCR = PEC/PNEC
STP	0.282772 mg/L	50 mg/L	0.005655

10.44.1.4 Secondary poisoning / Man via environment

Secondary poisoning considers indirect exposure of man via foods, air and drinking water. The following table shows the calculated exposure to the substance from exemplary food sources at different trophic levels together with the total exposure over all routes and food sources.

Food source	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
Fish	7.15E-6 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-7
Root crop	3.33E-7 mg/kg _{bw} /day	10 mg/kg _{bw} /day	3.33E-8
Leaf crop	0.00001 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.00E-6
Milk	1.33E-8 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.33E-9
Meat	7.15E-10 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-11
Drinking water	0.000088 mg/kg _{bw} /day	10 mg/kg _{bw} /day	8.82E-6
inhalation	2.57E-11 mg/kg _{bw} /day	10 mg/kg _{bw} /day	2.57E-12
Total	0.000011 mg/kg _{bw} /day	10 mg/kg _{bw} /day	0.000011

10.44.2 Contributing Scenario (2) controlling industrial worker exposure for

PROC 4

Industrial use of Metal Treatment Products Metal cleaner (degreaser, descaler, etch); Semi-Automatic process*

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	0.006857 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.000137
inhalation	0.1875 mg/m ³	350 mg/m ³	0.000536
Combined routes	0.033643 mg/kg _{bw} /day	-	0.000673

10.44.3 Contributing Scenario (3) controlling industrial worker exposure for PROC 8B

Industrial use of Metal Treatment Products Metal cleaner (degreaser, descaler, etch); Semi-Automatic process*

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	0.006857 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.000137
inhalation	0.01125 mg/m ³	350 mg/m ³	0.000032
Combined routes	0.008464 mg/kg _{bw} /day	-	0.000169

10.45 Scenario 45: Industrial use of Quality control Laboratory Reagents

The following RCR calculations refer to the contributing scenarios described in chapter 9.45

10.45.1 Contributing Scenario (1) controlling environmental exposure for ERC4

Industrial use of Quality control Laboratory Reagents

The quantitative risk characterisation for this environmental exposure has been calculated using EasyTRA.

The environmental exposure calculation per compartment is based on the algorithms of the EU TGD 2003 Risk Assessment Spreadsheet Model 1.24a.

10.45.1.1 Aquatic compartment (including sediment)

Compartments	PEC	PNEC	RCR = PEC/PNEC
Freshwater	0.031364 mg/L	0.100 mg/L	0.313639
Freshwater sediment	0.185768 mg/kg _{dwt}	0.292 mg/kg _{dwt}	0.636193
Marine water	0.003125 mg/L	0.010 mg/L	0.312472
Marine water sediment	0.018508 mg/kg _{dwt}	0.0292 mg/kg _{dwt}	0.633825

10.45.1.2 Terrestrial compartment

Compartments	PEC	PNEC	RCR = PEC/PNEC
Agricultural soil	0.077276 mg/kg _{dwt}	13.1 mg/kg _{dwt}	0.005899
Grassland	0.008636 mg/kg _{dwt}	13.1 mg/kg _{dwt}	0.000659

10.45.1.3 Microbiological activity in sewage treatment systems

Compartments	PEC	PNEC	RCR = PEC/PNEC
STP	0.282772 mg/L	50 mg/L	0.005655

10.45.1.4 Secondary poisoning / Man via environment

Secondary poisoning considers indirect exposure of man via foods, air and drinking water. The following table shows the calculated exposure to the substance from exemplary food sources at different trophic levels together with the total exposure over all routes and food sources.

Food source	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
Fish	7.15E-6 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-7
Root crop	3.33E-7 mg/kg _{bw} /day	10 mg/kg _{bw} /day	3.33E-8
Leaf crop	0.00001 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.00E-6
Milk	1.33E-8 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.33E-9
Meat	7.15E-10 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-11
Drinking water	0.000088 mg/kg _{bw} /day	10 mg/kg _{bw} /day	8.82E-6

Food source	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
inhalation	2.57E-11 mg/kg _{bw} /day	10 mg/kg _{bw} /day	2.57E-12
Total	0.000011 mg/kg _{bw} /day	10 mg/kg _{bw} /day	0.000011

10.45.2 Contributing Scenario (2) controlling industrial worker exposure for PROC 15

Industrial use of Quality control Laboratory Reagents

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	0.034286 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.000686
inhalation	0.01875 mg/m ³	350 mg/m ³	0.000054
Combined routes	0.036964 mg/kg _{bw} /day	-	0.000739

10.46 Scenario 46: Industrial use of Vehicle cleaning Products Aeroplane cleaner; Semi-Automatic process

The following RCR calculations refer to the contributing scenarios described in chapter 9.46

10.46.1 Contributing Scenario (1) controlling environmental exposure for ERC4 *Industrial use of Vehicle cleaning Products Aeroplane cleaner; Semi-Automatic process*

The quantitative risk characterisation for this environmental exposure has been calculated using EasyTRA.

The environmental exposure calculation per compartment is based on the algorithms of the EU TGD 2003 Risk Assessment Spreadsheet Model 1.24a.

10.46.1.1 Aquatic compartment (including sediment)

Compartments	PEC	PNEC	RCR = PEC/PNEC
Freshwater	0.031364 mg/L	0.100 mg/L	0.313639

Compartments	PEC	PNEC	RCR = PEC/PNEC
Freshwater sediment	0.185768 mg/kg _{dwt}	0.292 mg/kg _{dwt}	0.636193
Marine water	0.003125 mg/L	0.010 mg/L	0.312472
Marine water sediment	0.018508 mg/kg _{dwt}	0.0292 mg/kg _{dwt}	0.633825

10.46.1.2 Terrestrial compartment

Compartments	PEC	PNEC	RCR = PEC/PNEC
Agricultural soil	0.077276 mg/kg _{dwt}	13.1 mg/kg _{dwt}	0.005899
Grassland	0.008636 mg/kg _{dwt}	13.1 mg/kg _{dwt}	0.000659

10.46.1.3 Microbiological activity in sewage treatment systems

Compartments	PEC	PNEC	RCR = PEC/PNEC
STP	0.282772 mg/L	50 mg/L	0.005655

10.46.1.4 Secondary poisoning / Man via environment

Secondary poisoning considers indirect exposure of man via foods, air and drinking water. The following table shows the calculated exposure to the substance from exemplary food sources at different trophic levels together with the total exposure over all routes and food sources.

Food source	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
Fish	7.15E-6 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-7
Root crop	3.33E-7 mg/kg _{bw} /day	10 mg/kg _{bw} /day	3.33E-8
Leaf crop	0.00001 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.00E-6
Milk	1.33E-8 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.33E-9
Meat	7.15E-10 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-11
Drinking water	0.000088 mg/kg _{bw} /day	10 mg/kg _{bw} /day	8.82E-6
inhalation	2.57E-11 mg/kg _{bw} /day	10 mg/kg _{bw} /day	2.57E-12
Total	0.000011 mg/kg _{bw} /day	10 mg/kg _{bw} /day	0.000011

10.46.2 Contributing Scenario (2) controlling industrial worker exposure for PROC 8A

Industrial use of Vehicle cleaning Products Aeroplane cleaner; Semi-Automatic process

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	0.137143 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.002743
inhalation	0.2625 mg/m ³	350 mg/m ³	0.00075
Combined routes	0.174643 mg/kg _{bw} /day	-	0.003493

10.46.3 Contributing Scenario (3) controlling industrial worker exposure for PROC 4

Industrial use of Vehicle cleaning Products Aeroplane cleaner; Semi-Automatic process

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	0.068571 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.001371
inhalation	1.312 mg/m ³	350 mg/m ³	0.00375
Combined routes	0.256071 mg/kg _{bw} /day	-	0.005121

10.46.4 Contributing Scenario (4) controlling industrial worker exposure for PROC 8A

Industrial use of Vehicle cleaning Products Aeroplane cleaner; Semi-Automatic process

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	0.137143 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.002743
inhalation	0.375 mg/m ³	350 mg/m ³	0.001071
Combined routes	0.190714 mg/kg _{bw} /day	-	0.003814

10.46.5 Contributing Scenario (5) controlling industrial worker exposure for PROC 4

Industrial use of Vehicle cleaning Products Aeroplane cleaner; Semi-Automatic process

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	0.068571 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.001371
inhalation	1.875 mg/m ³	350 mg/m ³	0.005357
Combined routes	0.336429 mg/kg _{bw} /day	-	0.006729

10.47 Scenario 47: Industrial use of Vehicle cleaning Products Train cleaner; Semi-Automatic process

The following RCR calculations refer to the contributing scenarios described in chapter 9.47

10.47.1 Contributing Scenario (1) controlling environmental exposure for ERC4 *Industrial use of Vehicle cleaning Products Train cleaner; Semi-Automatic process*

The quantitative risk characterisation for this environmental exposure has been calculated using EasyTRA.

The environmental exposure calculation per compartment is based on the algorithms of the EU TGD 2003 Risk Assessment Spreadsheet Model 1.24a.

10.47.1.1 Aquatic compartment (including sediment)

Compartments	PEC	PNEC	RCR = PEC/PNEC
Freshwater	0.031364 mg/L	0.100 mg/L	0.313639
Freshwater sediment	0.185768 mg/kg _{dwt}	0.292 mg/kg _{dwt}	0.636193
Marine water	0.003125 mg/L	0.010 mg/L	0.312472
Marine water sediment	0.018508 mg/kg _{dwt}	0.0292 mg/kg _{dwt}	0.633825

10.47.1.2 Terrestrial compartment

Compartments	PEC	PNEC	RCR = PEC/PNEC
Agricultural soil	0.077276 mg/kg _{dwt}	13.1 mg/kg _{dwt}	0.005899
Grassland	0.008636 mg/kg _{dwt}	13.1 mg/kg _{dwt}	0.000659

10.47.1.3 Microbiological activity in sewage treatment systems

Compartments	PEC	PNEC	RCR = PEC/PNEC
STP	0.282772 mg/L	50 mg/L	0.005655

10.47.1.4 Secondary poisoning / Man via environment

Secondary poisoning considers indirect exposure of man via foods, air and drinking water. The following table shows the calculated exposure to the substance from exemplary food sources at different trophic levels together with the total exposure over all routes and food sources.

Food source	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
Fish	7.15E-6 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-7
Root crop	3.33E-7 mg/kg _{bw} /day	10 mg/kg _{bw} /day	3.33E-8
Leaf crop	0.00001 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.00E-6
Milk	1.33E-8 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.33E-9
Meat	7.15E-10 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-11
Drinking water	0.000088 mg/kg _{bw} /day	10 mg/kg _{bw} /day	8.82E-6
inhalation	2.57E-11 mg/kg _{bw} /day	10 mg/kg _{bw} /day	2.57E-12
Total	0.000011 mg/kg _{bw} /day	10 mg/kg _{bw} /day	0.000011

10.47.2 Contributing Scenario (2) controlling industrial worker exposure for PROC 8A

Industrial use of Vehicle cleaning Products Train cleaner; Semi-Automatic process

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	0.137143 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.002743
inhalation	0.2625 mg/m ³	350 mg/m ³	0.00075
Combined routes	0.174643 mg/kg _{bw} /day	-	0.003493

10.47.3 Contributing Scenario (3) controlling industrial worker exposure for PROC 4

Industrial use of Vehicle cleaning Products Train cleaner; Semi-Automatic process

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	0.068571 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.001371
inhalation	1.875 mg/m ³	350 mg/m ³	0.005357
Combined routes	0.336429 mg/kg _{bw} /day	-	0.006729

10.47.4 Contributing Scenario (4) controlling industrial worker exposure for PROC 4

Industrial use of Vehicle cleaning Products Train cleaner; Semi-Automatic process

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	0.068571 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.001371
inhalation	1.312 mg/m ³	350 mg/m ³	0.00375
Combined routes	0.256071 mg/kg _{bw} /day	-	0.005121

10.47.5 Contributing Scenario (5) controlling industrial worker exposure for PROC 8A

Industrial use of Vehicle cleaning Products Train cleaner; Semi-Automatic process

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	0.137143 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.002743
inhalation	0.375 mg/m ³	350 mg/m ³	0.001071
Combined routes	0.190714 mg/kg _{bw} /day	-	0.003814

10.48 Scenario 48: Industrial use of Water treatment Products Preservation and sanitation agent ; Drink and pool water

The following RCR calculations refer to the contributing scenarios described in chapter 9.48

10.48.1 Contributing Scenario (1) controlling environmental exposure for ERC4

Industrial use of Water treatment Products Preservation and sanitation agent ; Drink and pool water

The quantitative risk characterisation for this environmental exposure has been calculated using EasyTRA.

The environmental exposure calculation per compartment is based on the algorithms of the EU TGD 2003 Risk Assessment Spreadsheet Model 1.24a.

10.48.1.1 Aquatic compartment (including sediment)

Compartments	PEC	PNEC	RCR = PEC/PNEC
Freshwater	0.031364 mg/L	0.100 mg/L	0.313639
Freshwater sediment	0.185768 mg/kg _{dwt}	0.292 mg/kg _{dwt}	0.636193
Marine water	0.003125 mg/L	0.010 mg/L	0.312472
Marine water sediment	0.018508 mg/kg _{dwt}	0.0292 mg/kg _{dwt}	0.633825

10.48.1.2 Terrestrial compartment

Compartments	PEC	PNEC	RCR = PEC/PNEC
Agricultural soil	0.077276 mg/kg _{dwt}	13.1 mg/kg _{dwt}	0.005899
Grassland	0.008636 mg/kg _{dwt}	13.1 mg/kg _{dwt}	0.000659

10.48.1.3 Microbiological activity in sewage treatment systems

Compartments	PEC	PNEC	RCR = PEC/PNEC
STP	0.282772 mg/L	50 mg/L	0.005655

10.48.1.4 Secondary poisoning / Man via environment

Secondary poisoning considers indirect exposure of man via foods, air and drinking water. The following table shows the calculated exposure to the substance from exemplary food sources at different trophic levels together with the total exposure over all routes and food sources.

Food source	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
Fish	7.15E-6 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-7
Root crop	3.33E-7 mg/kg _{bw} /day	10 mg/kg _{bw} /day	3.33E-8
Leaf crop	0.00001 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.00E-6
Milk	1.33E-8 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.33E-9
Meat	7.15E-10 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-11
Drinking water	0.000088 mg/kg _{bw} /day	10 mg/kg _{bw} /day	8.82E-6
inhalation	2.57E-11 mg/kg _{bw} /day	10 mg/kg _{bw} /day	2.57E-12
Total	0.000011 mg/kg _{bw} /day	10 mg/kg _{bw} /day	0.000011

10.48.2 Contributing Scenario (2) controlling industrial worker exposure for PROC 8B

Industrial use of Water treatment Products Preservation and sanitation agent ; Drink and pool water

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	0.068571 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.001371
inhalation	0.13125 mg/m ³	350 mg/m ³	0.000375
Combined routes	0.087321 mg/kg _{bw} /day	-	0.001746

10.48.3 Contributing Scenario (3) controlling industrial worker exposure for PROC 4

Industrial use of Water treatment Products Preservation and sanitation agent ; Drink and pool water

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	6.857 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.137143
inhalation	1.312 mg/m ³	350 mg/m ³	0.00375
Combined routes	7.045 mg/kg _{bw} /day	-	0.140893

10.49 Scenario 49: Industrial use of Water treatment Products Preservation and sanitation agent ; Process water

The following RCR calculations refer to the contributing scenarios described in chapter 9.49

10.49.1 Contributing Scenario (1) controlling environmental exposure for ERC4

Industrial use of Water treatment Products Preservation and sanitation agent ;

Process water

The quantitative risk characterisation for this environmental exposure has been calculated using EasyTRA.

The environmental exposure calculation per compartment is based on the algorithms of the EU TGD 2003 Risk Assessment Spreadsheet Model 1.24a.

10.49.1.1 Aquatic compartment (including sediment)

Compartments	PEC	PNEC	RCR = PEC/PNEC
Freshwater	0.031364 mg/L	0.100 mg/L	0.313639
Freshwater sediment	0.185768 mg/kg _{dwt}	0.292 mg/kg _{dwt}	0.636193
Marine water	0.003125 mg/L	0.010 mg/L	0.312472
Marine water sediment	0.018508 mg/kg _{dwt}	0.0292 mg/kg _{dwt}	0.633825

10.49.1.2 Terrestrial compartment

Compartments	PEC	PNEC	RCR = PEC/PNEC
Agricultural soil	0.077276 mg/kg _{dwt}	13.1 mg/kg _{dwt}	0.005899
Grassland	0.008636 mg/kg _{dwt}	13.1 mg/kg _{dwt}	0.000659

10.49.1.3 Microbiological activity in sewage treatment systems

Compartments	PEC	PNEC	RCR = PEC/PNEC
STP	0.282772 mg/L	50 mg/L	0.005655

10.49.1.4 Secondary poisoning / Man via environment

Secondary poisoning considers indirect exposure of man via foods, air and drinking water. The following table shows the calculated exposure to the substance from exemplary food sources at different trophic levels together with the total exposure over all routes and food sources.

Food source	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
Fish	7.15E-6 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-7
Root crop	3.33E-7 mg/kg _{bw} /day	10 mg/kg _{bw} /day	3.33E-8
Leaf crop	0.00001 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.00E-6
Milk	1.33E-8 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.33E-9
Meat	7.15E-10 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-11

Food source	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
Drinking water	0.000088 mg/kg _{bw} /day	10 mg/kg _{bw} /day	8.82E-6
inhalation	2.57E-11 mg/kg _{bw} /day	10 mg/kg _{bw} /day	2.57E-12
Total	0.000011 mg/kg _{bw} /day	10 mg/kg _{bw} /day	0.000011

10.49.2 Contributing Scenario (2) controlling industrial worker exposure for PROC 4

Industrial use of Water treatment Products Preservation and sanitation agent ; Process water

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	6.857 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.137143
inhalation	1.312 mg/m ³	350 mg/m ³	0.00375
Combined routes	7.045 mg/kg _{bw} /day	-	0.140893

10.49.3 Contributing Scenario (3) controlling industrial worker exposure for PROC 8B

Industrial use of Water treatment Products Preservation and sanitation agent ; Process water

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	0.068571 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.001371
inhalation	0.13125 mg/m ³	350 mg/m ³	0.000375
Combined routes	0.087321	-	0.001746

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
	mg/kg _{bw} /day		

10.50 Scenario 50: Industrial use of Water treatment Products Sanitation agent; Wasre water

The following RCR calculations refer to the contributing scenarios described in chapter 9.50

10.50.1 Contributing Scenario (1) controlling environmental exposure for ERC4 *Industrial use of Water treatment Products Sanitation agent; Wasre water*

The quantitative risk characterisation for this environmental exposure has been calculated using EasyTRA.

The environmental exposure calculation per compartment is based on the algorithms of the EU TGD 2003 Risk Assessment Spreadsheet Model 1.24a.

10.50.1.1 Aquatic compartment (including sediment)

Compartments	PEC	PNEC	RCR = PEC/PNEC
Freshwater	0.031364 mg/L	0.100 mg/L	0.313639
Freshwater sediment	0.185768 mg/kg _{dwt}	0.292 mg/kg _{dwt}	0.636193
Marine water	0.003125 mg/L	0.010 mg/L	0.312472
Marine water sediment	0.018508 mg/kg _{dwt}	0.0292 mg/kg _{dwt}	0.633825

10.50.1.2 Terrestrial compartment

Compartments	PEC	PNEC	RCR = PEC/PNEC
Agricultural soil	0.077276 mg/kg _{dwt}	13.1 mg/kg _{dwt}	0.005899
Grassland	0.008636 mg/kg _{dwt}	13.1 mg/kg _{dwt}	0.000659

10.50.1.3 Microbiological activity in sewage treatment systems

Compartments	PEC	PNEC	RCR = PEC/PNEC
STP	0.282772 mg/L	50 mg/L	0.005655

10.50.1.4 Secondary poisoning / Man via environment

Secondary poisoning considers indirect exposure of man via foods, air and drinking water. The following table shows the calculated exposure to the substance from exemplary food sources at different trophic levels together with the total exposure

over all routes and food sources.

Food source	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
Fish	7.15E-6 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-7
Root crop	3.33E-7 mg/kg _{bw} /day	10 mg/kg _{bw} /day	3.33E-8
Leaf crop	0.00001 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.00E-6
Milk	1.33E-8 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.33E-9
Meat	7.15E-10 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-11
Drinking water	0.000088 mg/kg _{bw} /day	10 mg/kg _{bw} /day	8.82E-6
inhalation	2.57E-11 mg/kg _{bw} /day	10 mg/kg _{bw} /day	2.57E-12
Total	0.000011 mg/kg _{bw} /day	10 mg/kg _{bw} /day	0.000011

10.50.2 Contributing Scenario (2) controlling industrial worker exposure for PROC 4

Industrial use of Water treatment Products Sanitation agent; Wasre water

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	6.857 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.137143
inhalation	1.312 mg/m ³	350 mg/m ³	0.00375
Combined routes	7.045 mg/kg _{bw} /day	-	0.140893

10.50.3 Contributing Scenario (3) controlling industrial worker exposure for PROC 8A

Industrial use of Water treatment Products Sanitation agent; Wasre water

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	0.137143 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.002743
inhalation	0.13125 mg/m ³	350 mg/m ³	0.000375
Combined routes	0.155893 mg/kg _{bw} /day	-	0.003118

10.51 Scenario 51: LAUNDRY ADDITIVES (powder bleach, liquid bleach, tablet) for consumer use

The following RCR calculations refer to the contributing scenarios described in chapter 9.51

10.51.1 Contributing Scenario (1) controlling environmental exposure for ERC11B

LAUNDRY ADDITIVES (powder bleach, liquid bleach, tablet) for consumer use

The quantitative risk characterisation for this environmental exposure has been calculated using EasyTRA.

The environmental exposure calculation per compartment is based on the algorithms of the EU TGD 2003 Risk Assessment Spreadsheet Model 1.24a.

10.51.1.1 Aquatic compartment (including sediment)

Compartments	PEC	PNEC	RCR = PEC/PNEC
Freshwater	0.003091 mg/L	0.100 mg/L	0.030908
Freshwater sediment	0.018307 mg/kg _{dwt}	0.292 mg/kg _{dwt}	0.062695
Marine water	0.000297 mg/L	0.010 mg/L	0.029741
Marine water sediment	0.001762 mg/kg _{dwt}	0.0292 mg/kg _{dwt}	0.060327

10.51.1.2 Terrestrial compartment

Compartments	PEC	PNEC	RCR = PEC/PNEC
Agricultural soil	0.00003 mg/kg _{dwt}	13.1 mg/kg _{dwt}	2.28E-6
Grassland	0.000022 mg/kg _{dwt}	13.1 mg/kg _{dwt}	1.70E-6

10.51.1.3 Microbiological activity in sewage treatment systems

Compartments	PEC	PNEC	RCR = PEC/PNEC
STP	0.000031 mg/L	50 mg/L	6.20E-7

10.51.1.4 Secondary poisoning / Man via environment

Secondary poisoning considers indirect exposure of man via foods, air and drinking water. The following table shows the calculated exposure to the substance from exemplary food sources at different trophic levels together with the total exposure over all routes and food sources.

Food source	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
Fish	7.15E-6 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-7
Root crop	3.33E-7 mg/kg _{bw} /day	10 mg/kg _{bw} /day	3.33E-8
Leaf crop	0.00001 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.00E-6
Milk	1.33E-8 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.33E-9
Meat	7.15E-10 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-11
Drinking water	0.000088 mg/kg _{bw} /day	10 mg/kg _{bw} /day	8.82E-6
inhalation	2.57E-11 mg/kg _{bw} /day	10 mg/kg _{bw} /day	2.57E-12
Total	0.000011 mg/kg _{bw} /day	10 mg/kg _{bw} /day	0.000011

10.51.2 Contributing Scenario (2) controlling consumer exposure for PC 35 LAUNDRY ADDITIVES (powder bleach, liquid bleach, tablet) for consumer use

The quantitative risk characterisation for this consumer exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the oral, dermal and inhalatory route together with the total exposure of consumers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	1.468 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.029367
inhalation	0.863014 mg/m ³	350 mg/m ³	0.002466
oral	-	-	-
Combined routes	1.488 mg/kg _{bw} /day	-	0.031833

10.52 Scenario 52: LAUNDRY AIDS (ironing aids-starch spray, ironing aids-other) for consumer use

The following RCR calculations refer to the contributing scenarios described in

10.52.1 Contributing Scenario (1) controlling environmental exposure for ERC11B

LAUNDRY AIDS (ironing aids-starch spray, ironing aids-other) for consumer use

The quantitative risk characterisation for this environmental exposure has been calculated using EasyTRA.

The environmental exposure calculation per compartment is based on the algorithms of the EU TGD 2003 Risk Assessment Spreadsheet Model 1.24a.

10.52.1.1 Aquatic compartment (including sediment)

Compartments	PEC	PNEC	RCR = PEC/PNEC
Freshwater	0.003091 mg/L	0.100 mg/L	0.030908
Freshwater sediment	0.018307 mg/kg _{dwt}	0.292 mg/kg _{dwt}	0.062695
Marine water	0.000297 mg/L	0.010 mg/L	0.029741
Marine water sediment	0.001762 mg/kg _{dwt}	0.0292 mg/kg _{dwt}	0.060327

10.52.1.2 Terrestrial compartment

Compartments	PEC	PNEC	RCR = PEC/PNEC
Agricultural soil	0.00003 mg/kg _{dwt}	13.1 mg/kg _{dwt}	2.28E-6
Grassland	0.000022 mg/kg _{dwt}	13.1 mg/kg _{dwt}	1.70E-6

10.52.1.3 Microbiological activity in sewage treatment systems

Compartments	PEC	PNEC	RCR = PEC/PNEC
STP	0.000031 mg/L	50 mg/L	6.20E-7

10.52.1.4 Secondary poisoning / Man via environment

Secondary poisoning considers indirect exposure of man via foods, air and drinking water. The following table shows the calculated exposure to the substance from exemplary food sources at different trophic levels together with the total exposure over all routes and food sources.

Food source	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
Fish	7.15E-6 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-7
Root crop	3.33E-7 mg/kg _{bw} /day	10 mg/kg _{bw} /day	3.33E-8
Leaf crop	0.00001 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.00E-6

Food source	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
Milk	1.33E-8 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.33E-9
Meat	7.15E-10 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-11
Drinking water	0.000088 mg/kg _{bw} /day	10 mg/kg _{bw} /day	8.82E-6
inhalation	2.57E-11 mg/kg _{bw} /day	10 mg/kg _{bw} /day	2.57E-12
Total	0.000011 mg/kg _{bw} /day	10 mg/kg _{bw} /day	0.000011

10.52.2 Contributing Scenario (2) controlling consumer exposure for PC 35 LAUNDRY AIDS (ironing aids-starch spray, ironing aids-other) for consumer use

The quantitative risk characterisation for this consumer exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the oral, dermal and inhalatory route together with the total exposure of consumers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	0.978904 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.019578
inhalation	82.192 mg/m ³	350 mg/m ³	0.234834
oral	-	-	-
Combined routes	2.857 mg/kg _{bw} /day	-	0.254412

10.53 Scenario 53: LAUNDRY COMPACT (powder, liquid/gel, tablet) for consumer use

The following RCR calculations refer to the contributing scenarios described in chapter 9.53

10.53.1 Contributing Scenario (1) controlling environmental exposure for ERC11B

LAUNDRY COMPACT (powder, liquid/gel, tablet) for consumer use

The quantitative risk characterisation for this environmental exposure has been calculated using EasyTRA.

The environmental exposure calculation per compartment is based on the algorithms of the EU TGD 2003 Risk Assessment Spreadsheet Model 1.24a.

10.53.1.1 Aquatic compartment (including sediment)

Compartments	PEC	PNEC	RCR = PEC/PNEC
Freshwater	0.003091 mg/L	0.100 mg/L	0.030908
Freshwater sediment	0.018307 mg/kg _{dwt}	0.292 mg/kg _{dwt}	0.062695
Marine water	0.000297 mg/L	0.010 mg/L	0.029741
Marine water sediment	0.001762 mg/kg _{dwt}	0.0292 mg/kg _{dwt}	0.060327

10.53.1.2 Terrestrial compartment

Compartments	PEC	PNEC	RCR = PEC/PNEC
Agricultural soil	0.00003 mg/kg _{dwt}	13.1 mg/kg _{dwt}	2.28E-6
Grassland	0.000022 mg/kg _{dwt}	13.1 mg/kg _{dwt}	1.70E-6

10.53.1.3 Microbiological activity in sewage treatment systems

Compartments	PEC	PNEC	RCR = PEC/PNEC
STP	0.000031 mg/L	50 mg/L	6.20E-7

10.53.1.4 Secondary poisoning / Man via environment

Secondary poisoning considers indirect exposure of man via foods, air and drinking water. The following table shows the calculated exposure to the substance from exemplary food sources at different trophic levels together with the total exposure over all routes and food sources.

Food source	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
Fish	7.15E-6 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-7
Root crop	3.33E-7 mg/kg _{bw} /day	10 mg/kg _{bw} /day	3.33E-8
Leaf crop	0.00001 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.00E-6
Milk	1.33E-8 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.33E-9
Meat	7.15E-10 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-11
Drinking water	0.000088 mg/kg _{bw} /day	10 mg/kg _{bw} /day	8.82E-6
inhalation	2.57E-11 mg/kg _{bw} /day	10 mg/kg _{bw} /day	2.57E-12
Total	0.000011 mg/kg _{bw} /day	10 mg/kg _{bw} /day	0.000011

10.53.2 Contributing Scenario (2) controlling consumer exposure for PC 35
LAUNDRY COMPACT (powder, liquid/gel, tablet) for consumer use

The quantitative risk characterisation for this consumer exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the oral, dermal and inhalatory route together with the total exposure of consumers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	1.958 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.039156
inhalation	1.479 mg/m ³	350 mg/m ³	0.004227
oral	-	-	-
Combined routes	1.992 mg/kg _{bw} /day	-	0.043383

10.54 Scenario 54: LAUNDRY REGULAR (powder, liquid) for consumer use

The following RCR calculations refer to the contributing scenarios described in chapter 9.54

10.54.1 Contributing Scenario (1) controlling environmental exposure for ERC11B

LAUNDRY REGULAR (powder, liquid) for consumer use

The quantitative risk characterisation for this environmental exposure has been calculated using EasyTRA.

The environmental exposure calculation per compartment is based on the algorithms of the EU TGD 2003 Risk Assessment Spreadsheet Model 1.24a.

10.54.1.1 Aquatic compartment (including sediment)

Compartments	PEC	PNEC	RCR = PEC/PNEC
Freshwater	0.003091 mg/L	0.100 mg/L	0.030908
Freshwater sediment	0.018307 mg/kg _{dwt}	0.292 mg/kg _{dwt}	0.062695
Marine water	0.000297 mg/L	0.010 mg/L	0.029741
Marine water sediment	0.001762 mg/kg _{dwt}	0.0292 mg/kg _{dwt}	0.060327

10.54.1.2 Terrestrial compartment

Compartments	PEC	PNEC	RCR = PEC/PNEC
Agricultural soil	0.00003 mg/kg _{dwt}	13.1 mg/kg _{dwt}	2.28E-6
Grassland	0.000022 mg/kg _{dwt}	13.1 mg/kg _{dwt}	1.70E-6

10.54.1.3 Microbiological activity in sewage treatment systems

Compartments	PEC	PNEC	RCR = PEC/PNEC
STP	0.000031 mg/L	50 mg/L	6.20E-7

10.54.1.4 Secondary poisoning / Man via environment

Secondary poisoning considers indirect exposure of man via foods, air and drinking water. The following table shows the calculated exposure to the substance from exemplary food sources at different trophic levels together with the total exposure over all routes and food sources.

Food source	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
Fish	7.15E-6 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-7
Root crop	3.33E-7 mg/kg _{bw} /day	10 mg/kg _{bw} /day	3.33E-8
Leaf crop	0.00001 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.00E-6
Milk	1.33E-8 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.33E-9
Meat	7.15E-10 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-11
Drinking water	0.000088 mg/kg _{bw} /day	10 mg/kg _{bw} /day	8.82E-6
inhalation	2.57E-11 mg/kg _{bw} /day	10 mg/kg _{bw} /day	2.57E-12
Total	0.000011 mg/kg _{bw} /day	10 mg/kg _{bw} /day	0.000011

10.54.2 Contributing Scenario (2) controlling consumer exposure for PC 12

LAUNDRY REGULAR (powder, liquid) for consumer use

The quantitative risk characterisation for this consumer exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the oral, dermal and inhalatory route together with the total exposure of consumers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	2.039 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.040788
inhalation	-	-	-
oral	10.274 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.205479

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
Combined routes	12.313 mg/kg _{bw} /day	-	0.246267

10.55 Scenario 55: Laboratory Use Laboratory Reagents

The following RCR calculations refer to the contributing scenarios described in chapter 9.55

10.55.1 Contributing Scenario (1) controlling environmental exposure for ERC8A

Laboratory Use Laboratory Reagents

The quantitative risk characterisation for this environmental exposure has been calculated using EasyTRA.

The environmental exposure calculation per compartment is based on the algorithms of the EU TGD 2003 Risk Assessment Spreadsheet Model 1.24a.

10.55.1.1 Aquatic compartment (including sediment)

Compartments	PEC	PNEC	RCR = PEC/PNEC
Freshwater	0.00315 mg/L	0.100 mg/L	0.031497
Freshwater sediment	0.018656 mg/kg _{dwt}	0.292 mg/kg _{dwt}	0.06389
Marine water	0.000303 mg/L	0.010 mg/L	0.03033
Marine water sediment	0.001796 mg/kg _{dwt}	0.0292 mg/kg _{dwt}	0.061521

10.55.1.2 Terrestrial compartment

Compartments	PEC	PNEC	RCR = PEC/PNEC
Agricultural soil	0.000191 mg/kg _{dwt}	13.1 mg/kg _{dwt}	0.000015
Grassland	0.00004 mg/kg _{dwt}	13.1 mg/kg _{dwt}	3.07E-6

10.55.1.3 Microbiological activity in sewage treatment systems

Compartments	PEC	PNEC	RCR = PEC/PNEC
STP	0.00062 mg/L	50 mg/L	0.000012

10.55.1.4 Secondary poisoning / Man via environment

Secondary poisoning considers indirect exposure of man via foods, air and drinking water. The following table shows the calculated exposure to the substance from exemplary food sources at different trophic levels together with the total exposure

over all routes and food sources.

Food source	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
Fish	7.15E-6 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-7
Root crop	3.33E-7 mg/kg _{bw} /day	10 mg/kg _{bw} /day	3.33E-8
Leaf crop	0.00001 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.00E-6
Milk	1.33E-8 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.33E-9
Meat	7.15E-10 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-11
Drinking water	0.000088 mg/kg _{bw} /day	10 mg/kg _{bw} /day	8.82E-6
inhalation	2.57E-11 mg/kg _{bw} /day	10 mg/kg _{bw} /day	2.57E-12
Total	0.000011 mg/kg _{bw} /day	10 mg/kg _{bw} /day	0.000011

10.55.2 Contributing Scenario (2) controlling professional worker exposure for PROC 15

Laboratory Use Laboratory Reagents

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	0.034286 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.000686
inhalation	0.0375 mg/m ³	350 mg/m ³	0.000107
Combined routes	0.039643 mg/kg _{bw} /day	-	0.000793

10.56 Scenario 56: MACHINE DISHWASHING (powder, liquid, tablet) for consumer use

The following RCR calculations refer to the contributing scenarios described in chapter 9.56

10.56.1 Contributing Scenario (1) controlling environmental exposure for ERC11B

MACHINE DISHWASHING (powder, liquid, tablet) for consumer use

The quantitative risk characterisation for this environmental exposure has been calculated using EasyTRA.

The environmental exposure calculation per compartment is based on the algorithms of the EU TGD 2003 Risk Assessment Spreadsheet Model 1.24a.

10.56.1.1 Aquatic compartment (including sediment)

Compartments	PEC	PNEC	RCR = PEC/PNEC
Freshwater	0.003091 mg/L	0.100 mg/L	0.030908
Freshwater sediment	0.018307 mg/kg _{dwt}	0.292 mg/kg _{dwt}	0.062695
Marine water	0.000297 mg/L	0.010 mg/L	0.029741
Marine water sediment	0.001762 mg/kg _{dwt}	0.0292 mg/kg _{dwt}	0.060327

10.56.1.2 Terrestrial compartment

Compartments	PEC	PNEC	RCR = PEC/PNEC
Agricultural soil	0.00003 mg/kg _{dwt}	13.1 mg/kg _{dwt}	2.28E-6
Grassland	0.000022 mg/kg _{dwt}	13.1 mg/kg _{dwt}	1.70E-6

10.56.1.3 Microbiological activity in sewage treatment systems

Compartments	PEC	PNEC	RCR = PEC/PNEC
STP	0.000031 mg/L	50 mg/L	6.20E-7

10.56.1.4 Secondary poisoning / Man via environment

Secondary poisoning considers indirect exposure of man via foods, air and drinking water. The following table shows the calculated exposure to the substance from exemplary food sources at different trophic levels together with the total exposure over all routes and food sources.

Food source	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
Fish	7.15E-6 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-7
Root crop	3.33E-7 mg/kg _{bw} /day	10 mg/kg _{bw} /day	3.33E-8
Leaf crop	0.00001 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.00E-6
Milk	1.33E-8 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.33E-9
Meat	7.15E-10 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-11

Food source	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
Drinking water	0.000088 mg/kg _{bw} /day	10 mg/kg _{bw} /day	8.82E-6
inhalation	2.57E-11 mg/kg _{bw} /day	10 mg/kg _{bw} /day	2.57E-12
Total	0.000011 mg/kg _{bw} /day	10 mg/kg _{bw} /day	0.000011

10.56.2 Contributing Scenario (2) controlling consumer exposure for PC 35 MACHINE DISHWASHING (powder, liquid, tablet) for consumer use

The quantitative risk characterisation for this consumer exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the oral, dermal and inhalatory route together with the total exposure of consumers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	2.447 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.048945
inhalation	1.027 mg/m ³	350 mg/m ³	0.002935
oral	-	-	-
Combined routes	2.471 mg/kg _{bw} /day	-	0.051881

10.57 Scenario 57: OVEN CLEANERS (spray, trigger) for consumer use

The following RCR calculations refer to the contributing scenarios described in chapter 9.57

10.57.1 Contributing Scenario (1) controlling environmental exposure for ERC11B

OVEN CLEANERS (spray, trigger) for consumer use

The quantitative risk characterisation for this environmental exposure has been calculated using EasyTRA.

The environmental exposure calculation per compartment is based on the algorithms of the EU TGD 2003 Risk Assessment Spreadsheet Model 1.24a.

10.57.1.1 Aquatic compartment (including sediment)

Compartments	PEC	PNEC	RCR = PEC/PNEC
Freshwater	0.003091 mg/L	0.100 mg/L	0.030908

Compartments	PEC	PNEC	RCR = PEC/PNEC
Freshwater sediment	0.018307 mg/kg _{dwt}	0.292 mg/kg _{dwt}	0.062695
Marine water	0.000297 mg/L	0.010 mg/L	0.029741
Marine water sediment	0.001762 mg/kg _{dwt}	0.0292 mg/kg _{dwt}	0.060327

10.57.1.2 Terrestrial compartment

Compartments	PEC	PNEC	RCR = PEC/PNEC
Agricultural soil	0.00003 mg/kg _{dwt}	13.1 mg/kg _{dwt}	2.28E-6
Grassland	0.000022 mg/kg _{dwt}	13.1 mg/kg _{dwt}	1.70E-6

10.57.1.3 Microbiological activity in sewage treatment systems

Compartments	PEC	PNEC	RCR = PEC/PNEC
STP	0.000031 mg/L	50 mg/L	6.20E-7

10.57.1.4 Secondary poisoning / Man via environment

Secondary poisoning considers indirect exposure of man via foods, air and drinking water. The following table shows the calculated exposure to the substance from exemplary food sources at different trophic levels together with the total exposure over all routes and food sources.

Food source	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
Fish	7.15E-6 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-7
Root crop	3.33E-7 mg/kg _{bw} /day	10 mg/kg _{bw} /day	3.33E-8
Leaf crop	0.00001 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.00E-6
Milk	1.33E-8 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.33E-9
Meat	7.15E-10 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-11
Drinking water	0.000088 mg/kg _{bw} /day	10 mg/kg _{bw} /day	8.82E-6
inhalation	2.57E-11 mg/kg _{bw} /day	10 mg/kg _{bw} /day	2.57E-12
Total	0.000011 mg/kg _{bw} /day	10 mg/kg _{bw} /day	0.000011

10.57.2 Contributing Scenario (2) controlling consumer exposure for PC 35 OVEN CLEANERS (spray, trigger) for consumer use

The quantitative risk characterisation for this consumer exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the oral, dermal and inhalatory route together with the total exposure of consumers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	0.489452 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.009789
inhalation	0.821918 mg/m ³	350 mg/m ³	0.002348
oral	-	-	-
Combined routes	0.508231 mg/kg _{bw} /day	-	0.012137

10.58 Scenario 58: Professional Use of Dishwash products Dishwash product; Automatic process

The following RCR calculations refer to the contributing scenarios described in chapter 9.58

10.58.1 Contributing Scenario (1) controlling environmental exposure for ERC8A

Professional Use of Dishwash products Dishwash product; Automatic process

The quantitative risk characterisation for this environmental exposure has been calculated using EasyTRA.

The environmental exposure calculation per compartment is based on the algorithms of the EU TGD 2003 Risk Assessment Spreadsheet Model 1.24a.

10.58.1.1 Aquatic compartment (including sediment)

Compartments	PEC	PNEC	RCR = PEC/PNEC
Freshwater	0.00315 mg/L	0.100 mg/L	0.031497
Freshwater sediment	0.018656 mg/kg _{dwt}	0.292 mg/kg _{dwt}	0.06389
Marine water	0.000303 mg/L	0.010 mg/L	0.03033
Marine water sediment	0.001796 mg/kg _{dwt}	0.0292 mg/kg _{dwt}	0.061521

10.58.1.2 Terrestrial compartment

Compartments	PEC	PNEC	RCR = PEC/PNEC
Agricultural soil	0.000191 mg/kg _{dwt}	13.1 mg/kg _{dwt}	0.000015
Grassland	0.00004 mg/kg _{dwt}	13.1 mg/kg _{dwt}	3.07E-6

10.58.1.3 Microbiological activity in sewage treatment systems

Compartments	PEC	PNEC	RCR = PEC/PNEC
STP	0.00062 mg/L	50 mg/L	0.000012

10.58.1.4 Secondary poisoning / Man via environment

Secondary poisoning considers indirect exposure of man via foods, air and drinking water. The following table shows the calculated exposure to the substance from exemplary food sources at different trophic levels together with the total exposure over all routes and food sources.

Food source	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
Fish	7.15E-6 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-7
Root crop	3.33E-7 mg/kg _{bw} /day	10 mg/kg _{bw} /day	3.33E-8
Leaf crop	0.00001 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.00E-6
Milk	1.33E-8 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.33E-9
Meat	7.15E-10 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-11
Drinking water	0.000088 mg/kg _{bw} /day	10 mg/kg _{bw} /day	8.82E-6
inhalation	2.57E-11 mg/kg _{bw} /day	10 mg/kg _{bw} /day	2.57E-12
Total	0.000011 mg/kg _{bw} /day	10 mg/kg _{bw} /day	0.000011

10.58.2 Contributing Scenario (2) controlling professional worker exposure for PROC 8B

Professional Use of Dishwash products Dishwash product; Automatic process

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	0.068571 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.001371

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
inhalation	0.1875 mg/m ³	350 mg/m ³	0.000536
Combined routes	0.095357 mg/kg _{bw} /day	-	0.001907

10.58.3 Contributing Scenario (3) controlling professional worker exposure for PROC 2

Professional Use of Dishwash products Dishwash product; Automatic process

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	1.371 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.027429
inhalation	0.1875 mg/m ³	350 mg/m ³	0.000536
Combined routes	1.398 mg/kg _{bw} /day	-	0.027964

10.59 Scenario 59: Professional Use of Dishwash products Dishwash product; Manual process

The following RCR calculations refer to the contributing scenarios described in chapter 9.59

10.59.1 Contributing Scenario (1) controlling environmental exposure for ERC8A

Professional Use of Dishwash products Dishwash product; Manual process

The quantitative risk characterisation for this environmental exposure has been calculated using EasyTRA.

The environmental exposure calculation per compartment is based on the algorithms of the EU TGD 2003 Risk Assessment Spreadsheet Model 1.24a.

10.59.1.1 Aquatic compartment (including sediment)

Compartments	PEC	PNEC	RCR = PEC/PNEC
Freshwater	0.00315 mg/L	0.100 mg/L	0.031497
Freshwater sediment	0.018656 mg/kg _{dwt}	0.292 mg/kg _{dwt}	0.06389
Marine water	0.000303 mg/L	0.010 mg/L	0.03033

Compartments	PEC	PNEC	RCR = PEC/PNEC
Marine water sediment	0.001796 mg/kg _{dwt}	0.0292 mg/kg _{dwt}	0.061521

10.59.1.2 Terrestrial compartment

Compartments	PEC	PNEC	RCR = PEC/PNEC
Agricultural soil	0.000191 mg/kg _{dwt}	13.1 mg/kg _{dwt}	0.000015
Grassland	0.00004 mg/kg _{dwt}	13.1 mg/kg _{dwt}	3.07E-6

10.59.1.3 Microbiological activity in sewage treatment systems

Compartments	PEC	PNEC	RCR = PEC/PNEC
STP	0.00062 mg/L	50 mg/L	0.000012

10.59.1.4 Secondary poisoning / Man via environment

Secondary poisoning considers indirect exposure of man via foods, air and drinking water. The following table shows the calculated exposure to the substance from exemplary food sources at different trophic levels together with the total exposure over all routes and food sources.

Food source	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
Fish	7.15E-6 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-7
Root crop	3.33E-7 mg/kg _{bw} /day	10 mg/kg _{bw} /day	3.33E-8
Leaf crop	0.00001 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.00E-6
Milk	1.33E-8 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.33E-9
Meat	7.15E-10 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-11
Drinking water	0.000088 mg/kg _{bw} /day	10 mg/kg _{bw} /day	8.82E-6
inhalation	2.57E-11 mg/kg _{bw} /day	10 mg/kg _{bw} /day	2.57E-12
Total	0.000011 mg/kg _{bw} /day	10 mg/kg _{bw} /day	0.000011

10.59.2 Contributing Scenario (2) controlling professional worker exposure for PROC 10

Professional Use of Dishwash products Dishwash product; Manual process

The quantitative risk characterisation for this worker exposure (long-term systemic

effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	0.274286 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.005486
inhalation	1.875 mg/m ³	350 mg/m ³	0.005357
Combined routes	0.542143 mg/kg _{bw} /day	-	0.010843

10.59.3 Contributing Scenario (3) controlling professional worker exposure for PROC 8A

Professional Use of Dishwash products Dishwash product; Manual process

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	13.714 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.274286
inhalation	0.1875 mg/m ³	350 mg/m ³	0.000536
Combined routes	13.741 mg/kg _{bw} /day	-	0.274821

10.60 Scenario 60: Professional Use of Dishwash products Dishwash product; Semi-Automatic process

The following RCR calculations refer to the contributing scenarios described in chapter 9.60

10.60.1 Contributing Scenario (1) controlling environmental exposure for ERC8A

Professional Use of Dishwash products Dishwash product; Semi-Automatic process

The quantitative risk characterisation for this environmental exposure has been calculated using EasyTRA.

The environmental exposure calculation per compartment is based on the algorithms of the EU TGD 2003 Risk Assessment Spreadsheet Model 1.24a.

10.60.1.1 Aquatic compartment (including sediment)

Compartments	PEC	PNEC	RCR = PEC/PNEC
Freshwater	0.00315 mg/L	0.100 mg/L	0.031497
Freshwater sediment	0.018656 mg/kg _{dwt}	0.292 mg/kg _{dwt}	0.06389
Marine water	0.000303 mg/L	0.010 mg/L	0.03033
Marine water sediment	0.001796 mg/kg _{dwt}	0.0292 mg/kg _{dwt}	0.061521

10.60.1.2 Terrestrial compartment

Compartments	PEC	PNEC	RCR = PEC/PNEC
Agricultural soil	0.000191 mg/kg _{dwt}	13.1 mg/kg _{dwt}	0.000015
Grassland	0.00004 mg/kg _{dwt}	13.1 mg/kg _{dwt}	3.07E-6

10.60.1.3 Microbiological activity in sewage treatment systems

Compartments	PEC	PNEC	RCR = PEC/PNEC
STP	0.00062 mg/L	50 mg/L	0.000012

10.60.1.4 Secondary poisoning / Man via environment

Secondary poisoning considers indirect exposure of man via foods, air and drinking water. The following table shows the calculated exposure to the substance from exemplary food sources at different trophic levels together with the total exposure over all routes and food sources.

Food source	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
Fish	7.15E-6 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-7
Root crop	3.33E-7 mg/kg _{bw} /day	10 mg/kg _{bw} /day	3.33E-8
Leaf crop	0.00001 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.00E-6
Milk	1.33E-8 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.33E-9
Meat	7.15E-10 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-11
Drinking water	0.000088 mg/kg _{bw} /day	10 mg/kg _{bw} /day	8.82E-6
inhalation	2.57E-11 mg/kg _{bw} /day	10 mg/kg _{bw} /day	2.57E-12
Total	0.000011 mg/kg _{bw} /day	10 mg/kg _{bw} /day	0.000011

10.60.2 Contributing Scenario (2) controlling professional worker exposure for PROC 8A

Professional Use of Dishwash products Dishwash product; Semi-Automatic process

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	0.137143 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.002743
inhalation	0.1875 mg/m ³	350 mg/m ³	0.000536
Combined routes	0.163929 mg/kg _{bw} /day	-	0.003279

10.60.3 Contributing Scenario (3) controlling professional worker exposure for PROC 1

Professional Use of Dishwash products Dishwash product; Semi-Automatic process

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	0.342857 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.006857
inhalation	0.01875 mg/m ³	350 mg/m ³	0.000054
Combined routes	0.345536 mg/kg _{bw} /day	-	0.006911

10.61 Scenario 61: Professional Use of Dishwash products Rinse aid; Automatic process

The following RCR calculations refer to the contributing scenarios described in chapter 9.61

10.61.1 Contributing Scenario (1) controlling environmental exposure for ERC8A

Professional Use of Dishwash products Rinse aid; Automatic process

The quantitative risk characterisation for this environmental exposure has been calculated using EasyTRA.

The environmental exposure calculation per compartment is based on the algorithms of the EU TGD 2003 Risk Assessment Spreadsheet Model 1.24a.

10.61.1.1 Aquatic compartment (including sediment)

Compartments	PEC	PNEC	RCR = PEC/PNEC
Freshwater	0.00315 mg/L	0.100 mg/L	0.031497
Freshwater sediment	0.018656 mg/kg _{dwt}	0.292 mg/kg _{dwt}	0.06389
Marine water	0.000303 mg/L	0.010 mg/L	0.03033
Marine water sediment	0.001796 mg/kg _{dwt}	0.0292 mg/kg _{dwt}	0.061521

10.61.1.2 Terrestrial compartment

Compartments	PEC	PNEC	RCR = PEC/PNEC
Agricultural soil	0.000191 mg/kg _{dwt}	13.1 mg/kg _{dwt}	0.000015
Grassland	0.00004 mg/kg _{dwt}	13.1 mg/kg _{dwt}	3.07E-6

10.61.1.3 Microbiological activity in sewage treatment systems

Compartments	PEC	PNEC	RCR = PEC/PNEC
STP	0.00062 mg/L	50 mg/L	0.000012

10.61.1.4 Secondary poisoning / Man via environment

Secondary poisoning considers indirect exposure of man via foods, air and drinking water. The following table shows the calculated exposure to the substance from exemplary food sources at different trophic levels together with the total exposure over all routes and food sources.

Food source	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
Fish	7.15E-6 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-7
Root crop	3.33E-7 mg/kg _{bw} /day	10 mg/kg _{bw} /day	3.33E-8
Leaf crop	0.00001 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.00E-6
Milk	1.33E-8 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.33E-9
Meat	7.15E-10 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-11

Food source	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
Drinking water	0.000088 mg/kg _{bw} /day	10 mg/kg _{bw} /day	8.82E-6
inhalation	2.57E-11 mg/kg _{bw} /day	10 mg/kg _{bw} /day	2.57E-12
Total	0.000011 mg/kg _{bw} /day	10 mg/kg _{bw} /day	0.000011

10.61.2 Contributing Scenario (2) controlling professional worker exposure for PROC 2

Professional Use of Dishwash products Rinse aid; Automatic process

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	1.371 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.027429
inhalation	0.1875 mg/m ³	350 mg/m ³	0.000536
Combined routes	1.398 mg/kg _{bw} /day	-	0.027964

10.61.3 Contributing Scenario (3) controlling professional worker exposure for PROC 8B

Professional Use of Dishwash products Rinse aid; Automatic process

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	0.068571 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.001371
inhalation	0.1875 mg/m ³	350 mg/m ³	0.000536
Combined routes	0.095357 mg/kg _{bw} /day	-	0.001907

10.62 Scenario 62: Professional Use of Façade/surface Cleaning Products Façade/surface cleaner; High pressure process

The following RCR calculations refer to the contributing scenarios described in chapter 9.62

10.62.1 Contributing Scenario (1) controlling environmental exposure for ERC8A

Professional Use of Façade/surface Cleaning Products Façade/surface cleaner; High pressure process

The quantitative risk characterisation for this environmental exposure has been calculated using EasyTRA.

The environmental exposure calculation per compartment is based on the algorithms of the EU TGD 2003 Risk Assessment Spreadsheet Model 1.24a.

10.62.1.1 Aquatic compartment (including sediment)

Compartments	PEC	PNEC	RCR = PEC/PNEC
Freshwater	0.00315 mg/L	0.100 mg/L	0.031497
Freshwater sediment	0.018656 mg/kg _{dwt}	0.292 mg/kg _{dwt}	0.06389
Marine water	0.000303 mg/L	0.010 mg/L	0.03033
Marine water sediment	0.001796 mg/kg _{dwt}	0.0292 mg/kg _{dwt}	0.061521

10.62.1.2 Terrestrial compartment

Compartments	PEC	PNEC	RCR = PEC/PNEC
Agricultural soil	0.000191 mg/kg _{dwt}	13.1 mg/kg _{dwt}	0.000015
Grassland	0.00004 mg/kg _{dwt}	13.1 mg/kg _{dwt}	3.07E-6

10.62.1.3 Microbiological activity in sewage treatment systems

Compartments	PEC	PNEC	RCR = PEC/PNEC
STP	0.00062 mg/L	50 mg/L	0.000012

10.62.1.4 Secondary poisoning / Man via environment

Secondary poisoning considers indirect exposure of man via foods, air and drinking water. The following table shows the calculated exposure to the substance from exemplary food sources at different trophic levels together with the total exposure over all routes and food sources.

Food source	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
Fish	7.15E-6 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-7
Root crop	3.33E-7 mg/kg _{bw} /day	10 mg/kg _{bw} /day	3.33E-8
Leaf crop	0.00001 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.00E-6
Milk	1.33E-8 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.33E-9
Meat	7.15E-10 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-11
Drinking water	0.000088 mg/kg _{bw} /day	10 mg/kg _{bw} /day	8.82E-6
inhalation	2.57E-11 mg/kg _{bw} /day	10 mg/kg _{bw} /day	2.57E-12
Total	0.000011 mg/kg _{bw} /day	10 mg/kg _{bw} /day	0.000011

10.62.2 Contributing Scenario (2) controlling professional worker exposure for PROC 7

Professional Use of Façade/surface Cleaning Products Façade/surface cleaner; High pressure process

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	0.428571 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.008571
inhalation	-	-	-
Combined routes	0.428571 mg/kg _{bw} /day	-	0.008571

10.62.3 Contributing Scenario (3) controlling professional worker exposure for PROC 8A

Professional Use of Façade/surface Cleaning Products Façade/surface cleaner; High pressure process

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	0.137143 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.002743
inhalation	0.13125 mg/m ³	350 mg/m ³	0.000375
Combined routes	0.155893 mg/kg _{bw} /day	-	0.003118

10.63 Scenario 63: Professional Use of Façade/surface Cleaning Products Façade/surface cleaner; Medium pressure process

The following RCR calculations refer to the contributing scenarios described in chapter 9.63

10.63.1 Contributing Scenario (1) controlling environmental exposure for ERC8A

Professional Use of Façade/surface Cleaning Products Façade/surface cleaner; Medium pressure process

The quantitative risk characterisation for this environmental exposure has been calculated using EasyTRA.

The environmental exposure calculation per compartment is based on the algorithms of the EU TGD 2003 Risk Assessment Spreadsheet Model 1.24a.

10.63.1.1 Aquatic compartment (including sediment)

Compartments	PEC	PNEC	RCR = PEC/PNEC
Freshwater	0.00315 mg/L	0.100 mg/L	0.031497
Freshwater sediment	0.018656 mg/kg _{dwt}	0.292 mg/kg _{dwt}	0.06389
Marine water	0.000303 mg/L	0.010 mg/L	0.03033
Marine water sediment	0.001796 mg/kg _{dwt}	0.0292 mg/kg _{dwt}	0.061521

10.63.1.2 Terrestrial compartment

Compartments	PEC	PNEC	RCR = PEC/PNEC
Agricultural soil	0.000191 mg/kg _{dwt}	13.1 mg/kg _{dwt}	0.000015
Grassland	0.00004 mg/kg _{dwt}	13.1 mg/kg _{dwt}	3.07E-6

10.63.1.3 Microbiological activity in sewage treatment systems

Compartments	PEC	PNEC	RCR = PEC/PNEC
STP	0.00062 mg/L	50 mg/L	0.000012

10.63.1.4 Secondary poisoning / Man via environment

Secondary poisoning considers indirect exposure of man via foods, air and drinking water. The following table shows the calculated exposure to the substance from exemplary food sources at different trophic levels together with the total exposure over all routes and food sources.

Food source	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
Fish	7.15E-6 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-7
Root crop	3.33E-7 mg/kg _{bw} /day	10 mg/kg _{bw} /day	3.33E-8
Leaf crop	0.00001 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.00E-6
Milk	1.33E-8 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.33E-9
Meat	7.15E-10 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-11
Drinking water	0.000088 mg/kg _{bw} /day	10 mg/kg _{bw} /day	8.82E-6
inhalation	2.57E-11 mg/kg _{bw} /day	10 mg/kg _{bw} /day	2.57E-12
Total	0.000011 mg/kg _{bw} /day	10 mg/kg _{bw} /day	0.000011

10.63.2 Contributing Scenario (2) controlling professional worker exposure for PROC 11

Professional Use of Façade/surface Cleaning Products Façade/surface cleaner; Medium pressure process

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	1.071 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.021429
inhalation	0.13125 mg/m ³	350 mg/m ³	0.000375
Combined routes	1.09 mg/kg _{bw} /day	-	0.021804

10.63.3 Contributing Scenario (3) controlling professional worker exposure for PROC 8A

Professional Use of Façade/surface Cleaning Products Façade/surface cleaner; Medium pressure process

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	0.137143 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.002743
inhalation	0.13125 mg/m ³	350 mg/m ³	0.000375
Combined routes	0.155893 mg/kg _{bw} /day	-	0.003118

10.64 Scenario 64: Professional Use of Floor care products Carpet cleaner; Manual process

The following RCR calculations refer to the contributing scenarios described in chapter 9.64

10.64.1 Contributing Scenario (1) controlling environmental exposure for ERC8A

Professional Use of Floor care products Carpet cleaner; Manual process

The quantitative risk characterisation for this environmental exposure has been calculated using EasyTRA.

The environmental exposure calculation per compartment is based on the algorithms of the EU TGD 2003 Risk Assessment Spreadsheet Model 1.24a.

10.64.1.1 Aquatic compartment (including sediment)

Compartments	PEC	PNEC	RCR = PEC/PNEC
Freshwater	0.00315 mg/L	0.100 mg/L	0.031497
Freshwater sediment	0.018656 mg/kg _{dwt}	0.292 mg/kg _{dwt}	0.06389
Marine water	0.000303 mg/L	0.010 mg/L	0.03033
Marine water sediment	0.001796 mg/kg _{dwt}	0.0292 mg/kg _{dwt}	0.061521

10.64.1.2 Terrestrial compartment

Compartments	PEC	PNEC	RCR = PEC/PNEC
Agricultural soil	0.000191 mg/kg _{dwt}	13.1 mg/kg _{dwt}	0.000015
Grassland	0.00004 mg/kg _{dwt}	13.1 mg/kg _{dwt}	3.07E-6

10.64.1.3 Microbiological activity in sewage treatment systems

Compartments	PEC	PNEC	RCR = PEC/PNEC
STP	0.00062 mg/L	50 mg/L	0.000012

10.64.1.4 Secondary poisoning / Man via environment

Secondary poisoning considers indirect exposure of man via foods, air and drinking water. The following table shows the calculated exposure to the substance from exemplary food sources at different trophic levels together with the total exposure over all routes and food sources.

Food source	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
Fish	7.15E-6 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-7
Root crop	3.33E-7 mg/kg _{bw} /day	10 mg/kg _{bw} /day	3.33E-8
Leaf crop	0.00001 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.00E-6
Milk	1.33E-8 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.33E-9
Meat	7.15E-10 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-11
Drinking water	0.000088 mg/kg _{bw} /day	10 mg/kg _{bw} /day	8.82E-6
inhalation	2.57E-11 mg/kg _{bw} /day	10 mg/kg _{bw} /day	2.57E-12
Total	0.000011 mg/kg _{bw} /day	10 mg/kg _{bw} /day	0.000011

10.64.2 Contributing Scenario (2) controlling professional worker exposure for PROC 8A

Professional Use of Floor care products Carpet cleaner; Manual process

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	13.714 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.274286
inhalation	0.375 mg/m ³	350 mg/m ³	0.001071
Combined routes	13.768 mg/kg _{bw} /day	-	0.275357

10.64.3 Contributing Scenario (3) controlling professional worker exposure for PROC 10

Professional Use of Floor care products Carpet cleaner; Manual process

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	27.429 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.548571
inhalation	1.875 mg/m ³	350 mg/m ³	0.005357
Combined routes	27.696 mg/kg _{bw} /day	-	0.553929

10.65 Scenario 65: Professional Use of Floor care products Carpet cleaner; Semi-Automatic process

The following RCR calculations refer to the contributing scenarios described in chapter 9.65

10.65.1 Contributing Scenario (1) controlling environmental exposure for ERC8A

Professional Use of Floor care products Carpet cleaner; Semi-Automatic process

The quantitative risk characterisation for this environmental exposure has been calculated using EasyTRA.

The environmental exposure calculation per compartment is based on the algorithms of the EU TGD 2003 Risk Assessment Spreadsheet Model 1.24a.

10.65.1.1 Aquatic compartment (including sediment)

Compartments	PEC	PNEC	RCR = PEC/PNEC
Freshwater	0.00315 mg/L	0.100 mg/L	0.031497
Freshwater sediment	0.018656 mg/kg _{dwt}	0.292 mg/kg _{dwt}	0.06389
Marine water	0.000303 mg/L	0.010 mg/L	0.03033

Compartments	PEC	PNEC	RCR = PEC/PNEC
Marine water sediment	0.001796 mg/kg _{dwt}	0.0292 mg/kg _{dwt}	0.061521

10.65.1.2 Terrestrial compartment

Compartments	PEC	PNEC	RCR = PEC/PNEC
Agricultural soil	0.000191 mg/kg _{dwt}	13.1 mg/kg _{dwt}	0.000015
Grassland	0.00004 mg/kg _{dwt}	13.1 mg/kg _{dwt}	3.07E-6

10.65.1.3 Microbiological activity in sewage treatment systems

Compartments	PEC	PNEC	RCR = PEC/PNEC
STP	0.00062 mg/L	50 mg/L	0.000012

10.65.1.4 Secondary poisoning / Man via environment

Secondary poisoning considers indirect exposure of man via foods, air and drinking water. The following table shows the calculated exposure to the substance from exemplary food sources at different trophic levels together with the total exposure over all routes and food sources.

Food source	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
Fish	7.15E-6 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-7
Root crop	3.33E-7 mg/kg _{bw} /day	10 mg/kg _{bw} /day	3.33E-8
Leaf crop	0.00001 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.00E-6
Milk	1.33E-8 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.33E-9
Meat	7.15E-10 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-11
Drinking water	0.000088 mg/kg _{bw} /day	10 mg/kg _{bw} /day	8.82E-6
inhalation	2.57E-11 mg/kg _{bw} /day	10 mg/kg _{bw} /day	2.57E-12
Total	0.000011 mg/kg _{bw} /day	10 mg/kg _{bw} /day	0.000011

10.65.2 Contributing Scenario (2) controlling professional worker exposure for PROC 10

Professional Use of Floor care products Carpet cleaner; Semi-Automatic process

The quantitative risk characterisation for this worker exposure (long-term systemic

effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	27.429 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.548571
inhalation	1.875 mg/m ³	350 mg/m ³	0.005357
Combined routes	27.696 mg/kg _{bw} /day	-	0.553929

10.65.3 Contributing Scenario (3) controlling professional worker exposure for PROC 8A

Professional Use of Floor care products Carpet cleaner; Semi-Automatic process

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	13.714 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.274286
inhalation	0.375 mg/m ³	350 mg/m ³	0.001071
Combined routes	13.768 mg/kg _{bw} /day	-	0.275357

10.66 Scenario 66: Professional Use of Floor care products Carpet cleaner; Spray and brush manual process

The following RCR calculations refer to the contributing scenarios described in chapter 9.66

10.66.1 Contributing Scenario (1) controlling environmental exposure for ERC8A

Professional Use of Floor care products Carpet cleaner; Spray and brush manual process

The quantitative risk characterisation for this environmental exposure has been calculated using EasyTRA.

The environmental exposure calculation per compartment is based on the algorithms of the EU TGD 2003 Risk Assessment Spreadsheet Model 1.24a.

10.66.1.1 Aquatic compartment (including sediment)

Compartments	PEC	PNEC	RCR = PEC/PNEC
Freshwater	0.00315 mg/L	0.100 mg/L	0.031497
Freshwater sediment	0.018656 mg/kg _{dwt}	0.292 mg/kg _{dwt}	0.06389
Marine water	0.000303 mg/L	0.010 mg/L	0.03033
Marine water sediment	0.001796 mg/kg _{dwt}	0.0292 mg/kg _{dwt}	0.061521

10.66.1.2 Terrestrial compartment

Compartments	PEC	PNEC	RCR = PEC/PNEC
Agricultural soil	0.000191 mg/kg _{dwt}	13.1 mg/kg _{dwt}	0.000015
Grassland	0.00004 mg/kg _{dwt}	13.1 mg/kg _{dwt}	3.07E-6

10.66.1.3 Microbiological activity in sewage treatment systems

Compartments	PEC	PNEC	RCR = PEC/PNEC
STP	0.00062 mg/L	50 mg/L	0.000012

10.66.1.4 Secondary poisoning / Man via environment

Secondary poisoning considers indirect exposure of man via foods, air and drinking water. The following table shows the calculated exposure to the substance from exemplary food sources at different trophic levels together with the total exposure over all routes and food sources.

Food source	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
Fish	7.15E-6 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-7
Root crop	3.33E-7 mg/kg _{bw} /day	10 mg/kg _{bw} /day	3.33E-8
Leaf crop	0.00001 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.00E-6
Milk	1.33E-8 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.33E-9
Meat	7.15E-10 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-11
Drinking water	0.000088 mg/kg _{bw} /day	10 mg/kg _{bw} /day	8.82E-6
inhalation	2.57E-11 mg/kg _{bw} /day	10 mg/kg _{bw} /day	2.57E-12
Total	0.000011 mg/kg _{bw} /day	10 mg/kg _{bw} /day	0.000011

10.67 Scenario 67: Professional Use of Floor care products Floor cleaner;

Manual process

The following RCR calculations refer to the contributing scenarios described in chapter 9.67

10.67.1 Contributing Scenario (1) controlling environmental exposure for ERC8A

Professional Use of Floor care products Floor cleaner; Manual process

The quantitative risk characterisation for this environmental exposure has been calculated using EasyTRA.

The environmental exposure calculation per compartment is based on the algorithms of the EU TGD 2003 Risk Assessment Spreadsheet Model 1.24a.

10.67.1.1 Aquatic compartment (including sediment)

Compartments	PEC	PNEC	RCR = PEC/PNEC
Freshwater	0.00315 mg/L	0.100 mg/L	0.031497
Freshwater sediment	0.018656 mg/kg _{dwt}	0.292 mg/kg _{dwt}	0.06389
Marine water	0.000303 mg/L	0.010 mg/L	0.03033
Marine water sediment	0.001796 mg/kg _{dwt}	0.0292 mg/kg _{dwt}	0.061521

10.67.1.2 Terrestrial compartment

Compartments	PEC	PNEC	RCR = PEC/PNEC
Agricultural soil	0.000191 mg/kg _{dwt}	13.1 mg/kg _{dwt}	0.000015
Grassland	0.00004 mg/kg _{dwt}	13.1 mg/kg _{dwt}	3.07E-6

10.67.1.3 Microbiological activity in sewage treatment systems

Compartments	PEC	PNEC	RCR = PEC/PNEC
STP	0.00062 mg/L	50 mg/L	0.000012

10.67.1.4 Secondary poisoning / Man via environment

Secondary poisoning considers indirect exposure of man via foods, air and drinking water. The following table shows the calculated exposure to the substance from exemplary food sources at different trophic levels together with the total exposure over all routes and food sources.

Food source	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
Fish	7.15E-6 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-7

Food source	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
Root crop	3.33E-7 mg/kg _{bw} /day	10 mg/kg _{bw} /day	3.33E-8
Leaf crop	0.00001 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.00E-6
Milk	1.33E-8 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.33E-9
Meat	7.15E-10 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-11
Drinking water	0.000088 mg/kg _{bw} /day	10 mg/kg _{bw} /day	8.82E-6
inhalation	2.57E-11 mg/kg _{bw} /day	10 mg/kg _{bw} /day	2.57E-12
Total	0.000011 mg/kg _{bw} /day	10 mg/kg _{bw} /day	0.000011

10.67.2 Contributing Scenario (2) controlling professional worker exposure for PROC 10

Professional Use of Floor care products Floor cleaner; Manual process

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	0.274286 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.005486
inhalation	1.312 mg/m ³	350 mg/m ³	0.00375
Combined routes	0.461786 mg/kg _{bw} /day	-	0.009236

10.67.3 Contributing Scenario (3) controlling professional worker exposure for PROC 10

Professional Use of Floor care products Floor cleaner; Manual process

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	0.274286 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.005486
inhalation	1.875 mg/m ³	350 mg/m ³	0.005357
Combined routes	0.542143 mg/kg _{bw} /day	-	0.010843

10.67.4 Contributing Scenario (4) controlling professional worker exposure for PROC 8A

Professional Use of Floor care products Floor cleaner; Manual process

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	0.137143 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.002743
inhalation	0.2625 mg/m ³	350 mg/m ³	0.00075
Combined routes	0.174643 mg/kg _{bw} /day	-	0.003493

10.67.5 Contributing Scenario (5) controlling professional worker exposure for PROC 8A

Professional Use of Floor care products Floor cleaner; Manual process

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	0.137143 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.002743
inhalation	0.375 mg/m ³	350 mg/m ³	0.001071
Combined routes	0.190714 mg/kg _{bw} /day	-	0.003814

10.68 Scenario 68: Professional Use of Floor care products Floor cleaner; Semi-Automatic process

The following RCR calculations refer to the contributing scenarios described in chapter 9.68

10.68.1 Contributing Scenario (1) controlling environmental exposure for ERC8A

Professional Use of Floor care products Floor cleaner; Semi-Automatic process

The quantitative risk characterisation for this environmental exposure has been calculated using EasyTRA.

The environmental exposure calculation per compartment is based on the algorithms of the EU TGD 2003 Risk Assessment Spreadsheet Model 1.24a.

10.68.1.1 Aquatic compartment (including sediment)

Compartments	PEC	PNEC	RCR = PEC/PNEC
Freshwater	0.00315 mg/L	0.100 mg/L	0.031497
Freshwater sediment	0.018656 mg/kg _{dwt}	0.292 mg/kg _{dwt}	0.06389
Marine water	0.000303 mg/L	0.010 mg/L	0.03033
Marine water sediment	0.001796 mg/kg _{dwt}	0.0292 mg/kg _{dwt}	0.061521

10.68.1.2 Terrestrial compartment

Compartments	PEC	PNEC	RCR = PEC/PNEC
Agricultural soil	0.000191 mg/kg _{dwt}	13.1 mg/kg _{dwt}	0.000015
Grassland	0.00004 mg/kg _{dwt}	13.1 mg/kg _{dwt}	3.07E-6

10.68.1.3 Microbiological activity in sewage treatment systems

Compartments	PEC	PNEC	RCR = PEC/PNEC
STP	0.00062 mg/L	50 mg/L	0.000012

10.68.1.4 Secondary poisoning / Man via environment

Secondary poisoning considers indirect exposure of man via foods, air and drinking water. The following table shows the calculated exposure to the substance from exemplary food sources at different trophic levels together with the total exposure over all routes and food sources.

Food source	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
Fish	7.15E-6 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-7
Root crop	3.33E-7 mg/kg _{bw} /day	10 mg/kg _{bw} /day	3.33E-8
Leaf crop	0.00001 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.00E-6
Milk	1.33E-8 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.33E-9
Meat	7.15E-10 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-11
Drinking water	0.000088 mg/kg _{bw} /day	10 mg/kg _{bw} /day	8.82E-6
inhalation	2.57E-11 mg/kg _{bw} /day	10 mg/kg _{bw} /day	2.57E-12
Total	0.000011 mg/kg _{bw} /day	10 mg/kg _{bw} /day	0.000011

10.68.2 Contributing Scenario (2) controlling professional worker exposure for PROC 10

Professional Use of Floor care products Floor cleaner; Semi-Automatic process

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	27.429 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.548571
inhalation	1.875 mg/m ³	350 mg/m ³	0.005357
Combined routes	27.696 mg/kg _{bw} /day	-	0.553929

10.68.3 Contributing Scenario (3) controlling professional worker exposure for PROC 8A

Professional Use of Floor care products Floor cleaner; Semi-Automatic process

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	13.714 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.274286
inhalation	0.375 mg/m ³	350 mg/m ³	0.001071
Combined routes	13.768 mg/kg _{bw} /day	-	0.275357

10.69 Scenario 69: Professional Use of Floor care products Floor cleaner; Spray and wipe manual process

The following RCR calculations refer to the contributing scenarios described in chapter 9.69

10.69.1 Contributing Scenario (1) controlling environmental exposure for ERC8A

Professional Use of Floor care products Floor cleaner; Spray and wipe manual process

The quantitative risk characterisation for this environmental exposure has been calculated using EasyTRA.

The environmental exposure calculation per compartment is based on the algorithms of the EU TGD 2003 Risk Assessment Spreadsheet Model 1.24a.

10.69.1.1 Aquatic compartment (including sediment)

Compartments	PEC	PNEC	RCR = PEC/PNEC
Freshwater	0.00315 mg/L	0.100 mg/L	0.031497
Freshwater sediment	0.018656 mg/kg _{dwt}	0.292 mg/kg _{dwt}	0.06389
Marine water	0.000303 mg/L	0.010 mg/L	0.03033
Marine water sediment	0.001796 mg/kg _{dwt}	0.0292 mg/kg _{dwt}	0.061521

10.69.1.2 Terrestrial compartment

Compartments	PEC	PNEC	RCR = PEC/PNEC
Agricultural soil	0.000191 mg/kg _{dwt}	13.1 mg/kg _{dwt}	0.000015
Grassland	0.00004 mg/kg _{dwt}	13.1 mg/kg _{dwt}	3.07E-6

10.69.1.3 Microbiological activity in sewage treatment systems

Compartments	PEC	PNEC	RCR = PEC/PNEC
STP	0.00062 mg/L	50 mg/L	0.000012

10.69.1.4 Secondary poisoning / Man via environment

Secondary poisoning considers indirect exposure of man via foods, air and drinking water. The following table shows the calculated exposure to the substance from exemplary food sources at different trophic levels together with the total exposure over all routes and food sources.

Food source	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
Fish	7.15E-6 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-7
Root crop	3.33E-7 mg/kg _{bw} /day	10 mg/kg _{bw} /day	3.33E-8
Leaf crop	0.00001 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.00E-6
Milk	1.33E-8 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.33E-9
Meat	7.15E-10 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-11
Drinking water	0.000088 mg/kg _{bw} /day	10 mg/kg _{bw} /day	8.82E-6
inhalation	2.57E-11 mg/kg _{bw} /day	10 mg/kg _{bw} /day	2.57E-12
Total	0.000011 mg/kg _{bw} /day	10 mg/kg _{bw} /day	0.000011

10.69.2 Contributing Scenario (2) controlling professional worker exposure for PROC 8A

Professional Use of Floor care products Floor cleaner; Spray and wipe manual process

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	0.137143 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.002743
inhalation	0.375 mg/m ³	350 mg/m ³	0.001071
Combined routes	0.190714 mg/kg _{bw} /day	-	0.003814

10.69.3 Contributing Scenario (3) controlling professional worker exposure for PROC 11

Professional Use of Floor care products Floor cleaner; Spray and wipe manual process

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	1.071 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.021429
inhalation	1.875 mg/m ³	350 mg/m ³	0.005357
Combined routes	1.339 mg/kg _{bw} /day	-	0.026786

10.70 Scenario 70: Professional Use of Floor care products Floor stripper; Manual process

The following RCR calculations refer to the contributing scenarios described in chapter 9.70

10.70.1 Contributing Scenario (1) controlling environmental exposure for ERC8A

Professional Use of Floor care products Floor stripper; Manual process

The quantitative risk characterisation for this environmental exposure has been calculated using EasyTRA.

The environmental exposure calculation per compartment is based on the algorithms of the EU TGD 2003 Risk Assessment Spreadsheet Model 1.24a.

10.70.1.1 Aquatic compartment (including sediment)

Compartments	PEC	PNEC	RCR = PEC/PNEC
Freshwater	0.00315 mg/L	0.100 mg/L	0.031497
Freshwater sediment	0.018656 mg/kg _{dwt}	0.292 mg/kg _{dwt}	0.06389
Marine water	0.000303 mg/L	0.010 mg/L	0.03033
Marine water sediment	0.001796 mg/kg _{dwt}	0.0292 mg/kg _{dwt}	0.061521

10.70.1.2 Terrestrial compartment

Compartments	PEC	PNEC	RCR = PEC/PNEC
Agricultural soil	0.000191 mg/kg _{dwt}	13.1 mg/kg _{dwt}	0.000015
Grassland	0.00004 mg/kg _{dwt}	13.1 mg/kg _{dwt}	3.07E-6

10.70.1.3 Microbiological activity in sewage treatment systems

Compartments	PEC	PNEC	RCR = PEC/PNEC
STP	0.00062 mg/L	50 mg/L	0.000012

10.70.1.4 Secondary poisoning / Man via environment

Secondary poisoning considers indirect exposure of man via foods, air and drinking water. The following table shows the calculated exposure to the substance from exemplary food sources at different trophic levels together with the total exposure over all routes and food sources.

Food source	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
Fish	7.15E-6 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-7
Root crop	3.33E-7 mg/kg _{bw} /day	10 mg/kg _{bw} /day	3.33E-8
Leaf crop	0.00001 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.00E-6
Milk	1.33E-8 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.33E-9
Meat	7.15E-10 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-11
Drinking water	0.000088 mg/kg _{bw} /day	10 mg/kg _{bw} /day	8.82E-6
inhalation	2.57E-11 mg/kg _{bw} /day	10 mg/kg _{bw} /day	2.57E-12
Total	0.000011 mg/kg _{bw} /day	10 mg/kg _{bw} /day	0.000011

10.70.2 Contributing Scenario (2) controlling professional worker exposure for PROC 8A

Professional Use of Floor care products Floor stripper; Manual process

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	0.137143 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.002743
inhalation	0.375 mg/m ³	350 mg/m ³	0.001071

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
Combined routes	0.190714 mg/kg _{bw} /day	-	0.003814

10.70.3 Contributing Scenario (3) controlling professional worker exposure for PROC 10

Professional Use of Floor care products Floor stripper; Manual process

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	27.429 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.548571
inhalation	1.875 mg/m ³	350 mg/m ³	0.005357
Combined routes	27.696 mg/kg _{bw} /day	-	0.553929

10.71 Scenario 71: Professional Use of Floor care products Floor stripper; Semi-Automatic process

The following RCR calculations refer to the contributing scenarios described in chapter 9.71

10.71.1 Contributing Scenario (1) controlling environmental exposure for ERC8A

Professional Use of Floor care products Floor stripper; Semi-Automatic process

The quantitative risk characterisation for this environmental exposure has been calculated using EasyTRA.

The environmental exposure calculation per compartment is based on the algorithms of the EU TGD 2003 Risk Assessment Spreadsheet Model 1.24a.

10.71.1.1 Aquatic compartment (including sediment)

Compartments	PEC	PNEC	RCR = PEC/PNEC
Freshwater	0.00315 mg/L	0.100 mg/L	0.031497
Freshwater sediment	0.018656 mg/kg _{dwt}	0.292 mg/kg _{dwt}	0.06389
Marine water	0.000303 mg/L	0.010 mg/L	0.03033
Marine water sediment	0.001796 mg/kg _{dwt}	0.0292 mg/kg _{dwt}	0.061521

10.71.1.2 Terrestrial compartment

Compartments	PEC	PNEC	RCR = PEC/PNEC
Agricultural soil	0.000191 mg/kg _{dwt}	13.1 mg/kg _{dwt}	0.000015
Grassland	0.00004 mg/kg _{dwt}	13.1 mg/kg _{dwt}	3.07E-6

10.71.1.3 Microbiological activity in sewage treatment systems

Compartments	PEC	PNEC	RCR = PEC/PNEC
STP	0.00062 mg/L	50 mg/L	0.000012

10.71.1.4 Secondary poisoning / Man via environment

Secondary poisoning considers indirect exposure of man via foods, air and drinking water. The following table shows the calculated exposure to the substance from exemplary food sources at different trophic levels together with the total exposure over all routes and food sources.

Food source	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
Fish	7.15E-6 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-7
Root crop	3.33E-7 mg/kg _{bw} /day	10 mg/kg _{bw} /day	3.33E-8
Leaf crop	0.00001 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.00E-6
Milk	1.33E-8 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.33E-9
Meat	7.15E-10 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-11
Drinking water	0.000088 mg/kg _{bw} /day	10 mg/kg _{bw} /day	8.82E-6
inhalation	2.57E-11 mg/kg _{bw} /day	10 mg/kg _{bw} /day	2.57E-12
Total	0.000011 mg/kg _{bw} /day	10 mg/kg _{bw} /day	0.000011

10.71.2 Contributing Scenario (2) controlling professional worker exposure for PROC 10

Professional Use of Floor care products Floor stripper; Semi-Automatic process

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	27.429 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.548571
inhalation	1.875 mg/m ³	350 mg/m ³	0.005357
Combined routes	27.696 mg/kg _{bw} /day	-	0.553929

10.71.3 Contributing Scenario (3) controlling professional worker exposure for PROC 8A

Professional Use of Floor care products Floor stripper; Semi-Automatic process

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	0.137143 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.002743
inhalation	0.375 mg/m ³	350 mg/m ³	0.001071
Combined routes	0.190714 mg/kg _{bw} /day	-	0.003814

10.72 Scenario 72: Professional Use of Floor care products Polish / impregnating agent; Manual process

The following RCR calculations refer to the contributing scenarios described in chapter 9.72

10.72.1 Contributing Scenario (1) controlling environmental exposure for ERC8A

Professional Use of Floor care products Polish / impregnating agent; Manual process

The quantitative risk characterisation for this environmental exposure has been calculated using EasyTRA.

The environmental exposure calculation per compartment is based on the algorithms of the EU TGD 2003 Risk Assessment Spreadsheet Model 1.24a.

10.72.1.1 Aquatic compartment (including sediment)

Compartments	PEC	PNEC	RCR = PEC/PNEC
Freshwater	0.00315 mg/L	0.100 mg/L	0.031497
Freshwater sediment	0.018656 mg/kg _{dwt}	0.292 mg/kg _{dwt}	0.06389
Marine water	0.000303 mg/L	0.010 mg/L	0.03033
Marine water sediment	0.001796 mg/kg _{dwt}	0.0292 mg/kg _{dwt}	0.061521

10.72.1.2 Terrestrial compartment

Compartments	PEC	PNEC	RCR = PEC/PNEC
Agricultural soil	0.000191 mg/kg _{dwt}	13.1 mg/kg _{dwt}	0.000015
Grassland	0.00004 mg/kg _{dwt}	13.1 mg/kg _{dwt}	3.07E-6

10.72.1.3 Microbiological activity in sewage treatment systems

Compartments	PEC	PNEC	RCR = PEC/PNEC
STP	0.00062 mg/L	50 mg/L	0.000012

10.72.1.4 Secondary poisoning / Man via environment

Secondary poisoning considers indirect exposure of man via foods, air and drinking water. The following table shows the calculated exposure to the substance from exemplary food sources at different trophic levels together with the total exposure over all routes and food sources.

Food source	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
Fish	7.15E-6 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-7
Root crop	3.33E-7 mg/kg _{bw} /day	10 mg/kg _{bw} /day	3.33E-8
Leaf crop	0.00001 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.00E-6
Milk	1.33E-8 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.33E-9
Meat	7.15E-10 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-11
Drinking water	0.000088 mg/kg _{bw} /day	10 mg/kg _{bw} /day	8.82E-6
inhalation	2.57E-11 mg/kg _{bw} /day	10 mg/kg _{bw} /day	2.57E-12
Total	0.000011 mg/kg _{bw} /day	10 mg/kg _{bw} /day	0.000011

10.72.2 Contributing Scenario (2) controlling professional worker exposure for

PROC 10

Professional Use of Floor care products Polish / impregnating agent; Manual process

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	27.429 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.548571
inhalation	1.875 mg/m ³	350 mg/m ³	0.005357
Combined routes	27.696 mg/kg _{bw} /day	-	0.553929

10.73 Scenario 73: Professional Use of Floor care products Polish / impregnating agent; Semi-Automatic process

The following RCR calculations refer to the contributing scenarios described in chapter 9.73

10.73.1 Contributing Scenario (1) controlling environmental exposure for ERC8A

Professional Use of Floor care products Polish / impregnating agent; Semi-Automatic process

The quantitative risk characterisation for this environmental exposure has been calculated using EasyTRA.

The environmental exposure calculation per compartment is based on the algorithms of the EU TGD 2003 Risk Assessment Spreadsheet Model 1.24a.

10.73.1.1 Aquatic compartment (including sediment)

Compartments	PEC	PNEC	RCR = PEC/PNEC
Freshwater	0.00315 mg/L	0.100 mg/L	0.031497
Freshwater sediment	0.018656 mg/kg _{dwt}	0.292 mg/kg _{dwt}	0.06389
Marine water	0.000303 mg/L	0.010 mg/L	0.03033
Marine water sediment	0.001796 mg/kg _{dwt}	0.0292 mg/kg _{dwt}	0.061521

10.73.1.2 Terrestrial compartment

Compartments	PEC	PNEC	RCR = PEC/PNEC
Agricultural soil	0.000191 mg/kg _{dwt}	13.1 mg/kg _{dwt}	0.000015
Grassland	0.00004 mg/kg _{dwt}	13.1 mg/kg _{dwt}	3.07E-6

10.73.1.3 Microbiological activity in sewage treatment systems

Compartments	PEC	PNEC	RCR = PEC/PNEC
STP	0.00062 mg/L	50 mg/L	0.000012

10.73.1.4 Secondary poisoning / Man via environment

Secondary poisoning considers indirect exposure of man via foods, air and drinking water. The following table shows the calculated exposure to the substance from exemplary food sources at different trophic levels together with the total exposure over all routes and food sources.

Food source	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
Fish	7.15E-6 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-7
Root crop	3.33E-7 mg/kg _{bw} /day	10 mg/kg _{bw} /day	3.33E-8
Leaf crop	0.00001 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.00E-6
Milk	1.33E-8 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.33E-9
Meat	7.15E-10 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-11
Drinking water	0.000088 mg/kg _{bw} /day	10 mg/kg _{bw} /day	8.82E-6
inhalation	2.57E-11 mg/kg _{bw} /day	10 mg/kg _{bw} /day	2.57E-12
Total	0.000011 mg/kg _{bw} /day	10 mg/kg _{bw} /day	0.000011

10.73.2 Contributing Scenario (2) controlling professional worker exposure for PROC 10

Professional Use of Floor care products Polish / impregnating agent; Semi-Automatic process

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	27.429 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.548571

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
inhalation	1.875 mg/m ³	350 mg/m ³	0.005357
Combined routes	27.696 mg/kg _{bw} /day	-	0.553929

10.74 Scenario 74: Professional Use of Floor care products Polish / impregnating agent; Spray and wipe manual process

The following RCR calculations refer to the contributing scenarios described in chapter 9.74

10.74.1 Contributing Scenario (1) controlling environmental exposure for ERC8A

Professional Use of Floor care products Polish / impregnating agent; Spray and wipe manual process

The quantitative risk characterisation for this environmental exposure has been calculated using EasyTRA.

The environmental exposure calculation per compartment is based on the algorithms of the EU TGD 2003 Risk Assessment Spreadsheet Model 1.24a.

10.74.1.1 Aquatic compartment (including sediment)

Compartments	PEC	PNEC	RCR = PEC/PNEC
Freshwater	0.00315 mg/L	0.100 mg/L	0.031497
Freshwater sediment	0.018656 mg/kg _{dwt}	0.292 mg/kg _{dwt}	0.06389
Marine water	0.000303 mg/L	0.010 mg/L	0.03033
Marine water sediment	0.001796 mg/kg _{dwt}	0.0292 mg/kg _{dwt}	0.061521

10.74.1.2 Terrestrial compartment

Compartments	PEC	PNEC	RCR = PEC/PNEC
Agricultural soil	0.000191 mg/kg _{dwt}	13.1 mg/kg _{dwt}	0.000015
Grassland	0.00004 mg/kg _{dwt}	13.1 mg/kg _{dwt}	3.07E-6

10.74.1.3 Microbiological activity in sewage treatment systems

Compartments	PEC	PNEC	RCR = PEC/PNEC
STP	0.00062 mg/L	50 mg/L	0.000012

10.74.1.4 Secondary poisoning / Man via environment

Secondary poisoning considers indirect exposure of man via foods, air and drinking water. The following table shows the calculated exposure to the substance from exemplary food sources at different trophic levels together with the total exposure over all routes and food sources.

Food source	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
Fish	7.15E-6 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-7
Root crop	3.33E-7 mg/kg _{bw} /day	10 mg/kg _{bw} /day	3.33E-8
Leaf crop	0.00001 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.00E-6
Milk	1.33E-8 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.33E-9
Meat	7.15E-10 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-11
Drinking water	0.000088 mg/kg _{bw} /day	10 mg/kg _{bw} /day	8.82E-6
inhalation	2.57E-11 mg/kg _{bw} /day	10 mg/kg _{bw} /day	2.57E-12
Total	0.000011 mg/kg _{bw} /day	10 mg/kg _{bw} /day	0.000011

10.75 Scenario 75: Professional Use of Food beverage and pharmacos products Animal housing care; Manual process

The following RCR calculations refer to the contributing scenarios described in chapter 9.75

10.75.1 Contributing Scenario (1) controlling environmental exposure for ERC8A

Professional Use of Food beverage and pharmacos products Animal housing care; Manual process

The quantitative risk characterisation for this environmental exposure has been calculated using EasyTRA.

The environmental exposure calculation per compartment is based on the algorithms of the EU TGD 2003 Risk Assessment Spreadsheet Model 1.24a.

10.75.1.1 Aquatic compartment (including sediment)

Compartments	PEC	PNEC	RCR = PEC/PNEC
Freshwater	0.00315 mg/L	0.100 mg/L	0.031497
Freshwater sediment	0.018656 mg/kg _{dwt}	0.292 mg/kg _{dwt}	0.06389
Marine water	0.000303 mg/L	0.010 mg/L	0.03033
Marine water sediment	0.001796 mg/kg _{dwt}	0.0292 mg/kg _{dwt}	0.061521

10.75.1.2 Terrestrial compartment

Compartments	PEC	PNEC	RCR = PEC/PNEC
Agricultural soil	0.000191 mg/kg _{dwt}	13.1 mg/kg _{dwt}	0.000015
Grassland	0.00004 mg/kg _{dwt}	13.1 mg/kg _{dwt}	3.07E-6

10.75.1.3 Microbiological activity in sewage treatment systems

Compartments	PEC	PNEC	RCR = PEC/PNEC
STP	0.00062 mg/L	50 mg/L	0.000012

10.75.1.4 Secondary poisoning / Man via environment

Secondary poisoning considers indirect exposure of man via foods, air and drinking water. The following table shows the calculated exposure to the substance from exemplary food sources at different trophic levels together with the total exposure over all routes and food sources.

Food source	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
Fish	7.15E-6 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-7
Root crop	3.33E-7 mg/kg _{bw} /day	10 mg/kg _{bw} /day	3.33E-8
Leaf crop	0.00001 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.00E-6
Milk	1.33E-8 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.33E-9
Meat	7.15E-10 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-11
Drinking water	0.000088 mg/kg _{bw} /day	10 mg/kg _{bw} /day	8.82E-6
inhalation	2.57E-11 mg/kg _{bw} /day	10 mg/kg _{bw} /day	2.57E-12
Total	0.000011 mg/kg _{bw} /day	10 mg/kg _{bw} /day	0.000011

10.75.2 Contributing Scenario (2) controlling professional worker exposure for PROC 8A

Professional Use of Food beverage and pharmacos products Animal housing care; Manual process

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory

route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	13.714 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.274286
inhalation	0.375 mg/m ³	350 mg/m ³	0.001071
Combined routes	13.768 mg/kg _{bw} /day	-	0.275357

10.75.3 Contributing Scenario (3) controlling professional worker exposure for PROC 10

Professional Use of Food beverage and pharmacos products Animal housing care; Manual process

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	27.429 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.548571
inhalation	1.875 mg/m ³	350 mg/m ³	0.005357
Combined routes	27.696 mg/kg _{bw} /day	-	0.553929

10.76 Scenario 76: Professional Use of General surface cleaning products Descaling agent; Dipping process

The following RCR calculations refer to the contributing scenarios described in chapter 9.76

10.76.1 Contributing Scenario (1) controlling environmental exposure for ERC8A

Professional Use of General surface cleaning products Descaling agent; Dipping process

The quantitative risk characterisation for this environmental exposure has been calculated using EasyTRA.

The environmental exposure calculation per compartment is based on the algorithms of the EU TGD 2003 Risk Assessment Spreadsheet Model 1.24a.

10.76.1.1 Aquatic compartment (including sediment)

Compartments	PEC	PNEC	RCR = PEC/PNEC
Freshwater	0.00315 mg/L	0.100 mg/L	0.031497
Freshwater sediment	0.018656 mg/kg _{dwt}	0.292 mg/kg _{dwt}	0.06389
Marine water	0.000303 mg/L	0.010 mg/L	0.03033
Marine water sediment	0.001796 mg/kg _{dwt}	0.0292 mg/kg _{dwt}	0.061521

10.76.1.2 Terrestrial compartment

Compartments	PEC	PNEC	RCR = PEC/PNEC
Agricultural soil	0.000191 mg/kg _{dwt}	13.1 mg/kg _{dwt}	0.000015
Grassland	0.00004 mg/kg _{dwt}	13.1 mg/kg _{dwt}	3.07E-6

10.76.1.3 Microbiological activity in sewage treatment systems

Compartments	PEC	PNEC	RCR = PEC/PNEC
STP	0.00062 mg/L	50 mg/L	0.000012

10.76.1.4 Secondary poisoning / Man via environment

Secondary poisoning considers indirect exposure of man via foods, air and drinking water. The following table shows the calculated exposure to the substance from exemplary food sources at different trophic levels together with the total exposure over all routes and food sources.

Food source	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
Fish	7.15E-6 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-7
Root crop	3.33E-7 mg/kg _{bw} /day	10 mg/kg _{bw} /day	3.33E-8
Leaf crop	0.00001 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.00E-6
Milk	1.33E-8 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.33E-9
Meat	7.15E-10 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-11
Drinking water	0.000088 mg/kg _{bw} /day	10 mg/kg _{bw} /day	8.82E-6
inhalation	2.57E-11 mg/kg _{bw} /day	10 mg/kg _{bw} /day	2.57E-12
Total	0.000011 mg/kg _{bw} /day	10 mg/kg _{bw} /day	0.000011

10.76.2 Contributing Scenario (2) controlling professional worker exposure for

PROC 13

Professional Use of General surface cleaning products Descaling agent; Dipping process

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	0.137143 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.002743
inhalation	1.125 mg/m ³	350 mg/m ³	0.003214
Combined routes	0.297857 mg/kg _{bw} /day	-	0.005957

10.77 Scenario 77: Professional Use of General surface cleaning products Descaling agent; Manual process

The following RCR calculations refer to the contributing scenarios described in chapter 9.77

10.77.1 Contributing Scenario (1) controlling environmental exposure for ERC8A

Professional Use of General surface cleaning products Descaling agent; Manual process

The quantitative risk characterisation for this environmental exposure has been calculated using EasyTRA.

The environmental exposure calculation per compartment is based on the algorithms of the EU TGD 2003 Risk Assessment Spreadsheet Model 1.24a.

10.77.1.1 Aquatic compartment (including sediment)

Compartments	PEC	PNEC	RCR = PEC/PNEC
Freshwater	0.00315 mg/L	0.100 mg/L	0.031497
Freshwater sediment	0.018656 mg/kg _{dwt}	0.292 mg/kg _{dwt}	0.06389
Marine water	0.000303 mg/L	0.010 mg/L	0.03033
Marine water sediment	0.001796 mg/kg _{dwt}	0.0292 mg/kg _{dwt}	0.061521

10.77.1.2 Terrestrial compartment

Compartments	PEC	PNEC	RCR = PEC/PNEC
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Compartments	PEC	PNEC	RCR = PEC/PNEC
Agricultural soil	0.000191 mg/kg _{dwt}	13.1 mg/kg _{dwt}	0.000015
Grassland	0.00004 mg/kg _{dwt}	13.1 mg/kg _{dwt}	3.07E-6

10.77.1.3 Microbiological activity in sewage treatment systems

Compartments	PEC	PNEC	RCR = PEC/PNEC
STP	0.00062 mg/L	50 mg/L	0.000012

10.77.1.4 Secondary poisoning / Man via environment

Secondary poisoning considers indirect exposure of man via foods, air and drinking water. The following table shows the calculated exposure to the substance from exemplary food sources at different trophic levels together with the total exposure over all routes and food sources.

Food source	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
Fish	7.15E-6 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-7
Root crop	3.33E-7 mg/kg _{bw} /day	10 mg/kg _{bw} /day	3.33E-8
Leaf crop	0.00001 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.00E-6
Milk	1.33E-8 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.33E-9
Meat	7.15E-10 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-11
Drinking water	0.000088 mg/kg _{bw} /day	10 mg/kg _{bw} /day	8.82E-6
inhalation	2.57E-11 mg/kg _{bw} /day	10 mg/kg _{bw} /day	2.57E-12
Total	0.000011 mg/kg _{bw} /day	10 mg/kg _{bw} /day	0.000011

10.77.2 Contributing Scenario (2) controlling professional worker exposure for PROC 11

Professional Use of General surface cleaning products Descaling agent; Manual process

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	1.071 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.021429
inhalation	1.125 mg/m ³	350 mg/m ³	0.003214
Combined routes	1.232 mg/kg _{bw} /day	-	0.024643

10.77.3 Contributing Scenario (3) controlling professional worker exposure for PROC 8A

Professional Use of General surface cleaning products Descaling agent; Manual process

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	13.714 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.274286
inhalation	0.1875 mg/m ³	350 mg/m ³	0.000536
Combined routes	13.741 mg/kg _{bw} /day	-	0.274821

10.78 Scenario 78: Professional Use of General surface cleaning products Descaling agent; Spray and rinse manual process

The following RCR calculations refer to the contributing scenarios described in chapter 9.78

10.78.1 Contributing Scenario (1) controlling environmental exposure for ERC8A

Professional Use of General surface cleaning products Descaling agent; Spray and rinse manual process

The quantitative risk characterisation for this environmental exposure has been calculated using EasyTRA.

The environmental exposure calculation per compartment is based on the algorithms of the EU TGD 2003 Risk Assessment Spreadsheet Model 1.24a.

10.78.1.1 Aquatic compartment (including sediment)

Compartments	PEC	PNEC	RCR = PEC/PNEC
Freshwater	0.00315 mg/L	0.100 mg/L	0.031497

Compartments	PEC	PNEC	RCR = PEC/PNEC
Freshwater sediment	0.018656 mg/kg _{dwt}	0.292 mg/kg _{dwt}	0.06389
Marine water	0.000303 mg/L	0.010 mg/L	0.03033
Marine water sediment	0.001796 mg/kg _{dwt}	0.0292 mg/kg _{dwt}	0.061521

10.78.1.2 Terrestrial compartment

Compartments	PEC	PNEC	RCR = PEC/PNEC
Agricultural soil	0.000191 mg/kg _{dwt}	13.1 mg/kg _{dwt}	0.000015
Grassland	0.00004 mg/kg _{dwt}	13.1 mg/kg _{dwt}	3.07E-6

10.78.1.3 Microbiological activity in sewage treatment systems

Compartments	PEC	PNEC	RCR = PEC/PNEC
STP	0.00062 mg/L	50 mg/L	0.000012

10.78.1.4 Secondary poisoning / Man via environment

Secondary poisoning considers indirect exposure of man via foods, air and drinking water. The following table shows the calculated exposure to the substance from exemplary food sources at different trophic levels together with the total exposure over all routes and food sources.

Food source	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
Fish	7.15E-6 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-7
Root crop	3.33E-7 mg/kg _{bw} /day	10 mg/kg _{bw} /day	3.33E-8
Leaf crop	0.00001 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.00E-6
Milk	1.33E-8 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.33E-9
Meat	7.15E-10 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-11
Drinking water	0.000088 mg/kg _{bw} /day	10 mg/kg _{bw} /day	8.82E-6
inhalation	2.57E-11 mg/kg _{bw} /day	10 mg/kg _{bw} /day	2.57E-12
Total	0.000011 mg/kg _{bw} /day	10 mg/kg _{bw} /day	0.000011

10.78.2 Contributing Scenario (2) controlling professional worker exposure for PROC 8A

Professional Use of General surface cleaning products Descaling agent; Spray and rinse manual process

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	0.137143 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.002743
inhalation	0.1875 mg/m ³	350 mg/m ³	0.000536
Combined routes	0.163929 mg/kg _{bw} /day	-	0.003279

10.78.3 Contributing Scenario (3) controlling professional worker exposure for PROC 11

Professional Use of General surface cleaning products Descaling agent; Spray and rinse manual process

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	1.071 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.021429
inhalation	0.1875 mg/m ³	350 mg/m ³	0.000536
Combined routes	1.098 mg/kg _{bw} /day	-	0.021964

10.79 Scenario 79: Professional Use of General surface cleaning products General purpose cleaner; Manual process

The following RCR calculations refer to the contributing scenarios described in chapter 9.79

10.79.1 Contributing Scenario (1) controlling environmental exposure for ERC8A

Professional Use of General surface cleaning products General purpose cleaner; Manual process

The quantitative risk characterisation for this environmental exposure has been calculated using EasyTRA.

The environmental exposure calculation per compartment is based on the algorithms of the EU TGD 2003 Risk Assessment Spreadsheet Model 1.24a.

10.79.1.1 Aquatic compartment (including sediment)

Compartments	PEC	PNEC	RCR = PEC/PNEC
Freshwater	0.00315 mg/L	0.100 mg/L	0.031497
Freshwater sediment	0.018656 mg/kg _{dwt}	0.292 mg/kg _{dwt}	0.06389
Marine water	0.000303 mg/L	0.010 mg/L	0.03033
Marine water sediment	0.001796 mg/kg _{dwt}	0.0292 mg/kg _{dwt}	0.061521

10.79.1.2 Terrestrial compartment

Compartments	PEC	PNEC	RCR = PEC/PNEC
Agricultural soil	0.000191 mg/kg _{dwt}	13.1 mg/kg _{dwt}	0.000015
Grassland	0.00004 mg/kg _{dwt}	13.1 mg/kg _{dwt}	3.07E-6

10.79.1.3 Microbiological activity in sewage treatment systems

Compartments	PEC	PNEC	RCR = PEC/PNEC
STP	0.00062 mg/L	50 mg/L	0.000012

10.79.1.4 Secondary poisoning / Man via environment

Secondary poisoning considers indirect exposure of man via foods, air and drinking water. The following table shows the calculated exposure to the substance from exemplary food sources at different trophic levels together with the total exposure over all routes and food sources.

Food source	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
Fish	7.15E-6 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-7
Root crop	3.33E-7 mg/kg _{bw} /day	10 mg/kg _{bw} /day	3.33E-8
Leaf crop	0.00001 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.00E-6
Milk	1.33E-8 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.33E-9
Meat	7.15E-10 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-11
Drinking water	0.000088 mg/kg _{bw} /day	10 mg/kg _{bw} /day	8.82E-6

Food source	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
inhalation	2.57E-11 mg/kg _{bw} /day	10 mg/kg _{bw} /day	2.57E-12
Total	0.000011 mg/kg _{bw} /day	10 mg/kg _{bw} /day	0.000011

10.79.2 Contributing Scenario (2) controlling professional worker exposure for PROC 8A

Professional Use of General surface cleaning products General purpose cleaner; Manual process

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	13.714 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.274286
inhalation	0.375 mg/m ³	350 mg/m ³	0.001071
Combined routes	13.768 mg/kg _{bw} /day	-	0.275357

10.79.3 Contributing Scenario (3) controlling professional worker exposure for PROC 10

Professional Use of General surface cleaning products General purpose cleaner; Manual process

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	27.429 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.548571
inhalation	1.875 mg/m ³	350 mg/m ³	0.005357
Combined routes	27.696 mg/kg _{bw} /day	-	0.553929

10.80 Scenario 80: Professional Use of General surface cleaning products General purpose cleaner; Spray and wipe manual process

The following RCR calculations refer to the contributing scenarios described in chapter 9.80

10.80.1 Contributing Scenario (1) controlling environmental exposure for ERC8A

Professional Use of General surface cleaning products General purpose cleaner; Spray and wipe manual process

The quantitative risk characterisation for this environmental exposure has been calculated using EasyTRA.

The environmental exposure calculation per compartment is based on the algorithms of the EU TGD 2003 Risk Assessment Spreadsheet Model 1.24a.

10.80.1.1 Aquatic compartment (including sediment)

Compartments	PEC	PNEC	RCR = PEC/PNEC
Freshwater	0.00315 mg/L	0.100 mg/L	0.031497
Freshwater sediment	0.018656 mg/kg _{dwt}	0.292 mg/kg _{dwt}	0.06389
Marine water	0.000303 mg/L	0.010 mg/L	0.03033
Marine water sediment	0.001796 mg/kg _{dwt}	0.0292 mg/kg _{dwt}	0.061521

10.80.1.2 Terrestrial compartment

Compartments	PEC	PNEC	RCR = PEC/PNEC
Agricultural soil	0.000191 mg/kg _{dwt}	13.1 mg/kg _{dwt}	0.000015
Grassland	0.00004 mg/kg _{dwt}	13.1 mg/kg _{dwt}	3.07E-6

10.80.1.3 Microbiological activity in sewage treatment systems

Compartments	PEC	PNEC	RCR = PEC/PNEC
STP	0.00062 mg/L	50 mg/L	0.000012

10.80.1.4 Secondary poisoning / Man via environment

Secondary poisoning considers indirect exposure of man via foods, air and drinking water. The following table shows the calculated exposure to the substance from exemplary food sources at different trophic levels together with the total exposure over all routes and food sources.

Food source	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
Fish	7.15E-6 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-7
Root crop	3.33E-7 mg/kg _{bw} /day	10 mg/kg _{bw} /day	3.33E-8
Leaf crop	0.00001 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.00E-6
Milk	1.33E-8 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.33E-9
Meat	7.15E-10 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-11
Drinking water	0.000088 mg/kg _{bw} /day	10 mg/kg _{bw} /day	8.82E-6
inhalation	2.57E-11 mg/kg _{bw} /day	10 mg/kg _{bw} /day	2.57E-12
Total	0.000011 mg/kg _{bw} /day	10 mg/kg _{bw} /day	0.000011

10.80.2 Contributing Scenario (2) controlling professional worker exposure for PROC 8A

Professional Use of General surface cleaning products General purpose cleaner; Spray and wipe manual process

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	13.714 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.274286
inhalation	0.1875 mg/m ³	350 mg/m ³	0.000536
Combined routes	13.741 mg/kg _{bw} /day	-	0.274821

10.81 Scenario 81: Professional Use of General surface cleaning products Glass cleaner; Manual process

The following RCR calculations refer to the contributing scenarios described in chapter 9.81

10.81.1 Contributing Scenario (1) controlling environmental exposure for ERC8A

Professional Use of General surface cleaning products Glass cleaner; Manual process

The quantitative risk characterisation for this environmental exposure has been calculated using EasyTRA.

The environmental exposure calculation per compartment is based on the algorithms of the EU TGD 2003 Risk Assessment Spreadsheet Model 1.24a.

10.81.1.1 Aquatic compartment (including sediment)

Compartments	PEC	PNEC	RCR = PEC/PNEC
Freshwater	0.00315 mg/L	0.100 mg/L	0.031497
Freshwater sediment	0.018656 mg/kg _{dwt}	0.292 mg/kg _{dwt}	0.06389
Marine water	0.000303 mg/L	0.010 mg/L	0.03033
Marine water sediment	0.001796 mg/kg _{dwt}	0.0292 mg/kg _{dwt}	0.061521

10.81.1.2 Terrestrial compartment

Compartments	PEC	PNEC	RCR = PEC/PNEC
Agricultural soil	0.000191 mg/kg _{dwt}	13.1 mg/kg _{dwt}	0.000015
Grassland	0.00004 mg/kg _{dwt}	13.1 mg/kg _{dwt}	3.07E-6

10.81.1.3 Microbiological activity in sewage treatment systems

Compartments	PEC	PNEC	RCR = PEC/PNEC
STP	0.00062 mg/L	50 mg/L	0.000012

10.81.1.4 Secondary poisoning / Man via environment

Secondary poisoning considers indirect exposure of man via foods, air and drinking water. The following table shows the calculated exposure to the substance from exemplary food sources at different trophic levels together with the total exposure over all routes and food sources.

Food source	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
Fish	7.15E-6 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-7
Root crop	3.33E-7 mg/kg _{bw} /day	10 mg/kg _{bw} /day	3.33E-8
Leaf crop	0.00001 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.00E-6
Milk	1.33E-8 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.33E-9
Meat	7.15E-10 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-11
Drinking water	0.000088 mg/kg _{bw} /day	10 mg/kg _{bw} /day	8.82E-6

Food source	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
inhalation	2.57E-11 mg/kg _{bw} /day	10 mg/kg _{bw} /day	2.57E-12
Total	0.000011 mg/kg _{bw} /day	10 mg/kg _{bw} /day	0.000011

10.81.2 Contributing Scenario (2) controlling professional worker exposure for PROC 8A

Professional Use of General surface cleaning products Glass cleaner; Manual process

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	13.714 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.274286
inhalation	0.375 mg/m ³	350 mg/m ³	0.001071
Combined routes	13.768 mg/kg _{bw} /day	-	0.275357

10.81.3 Contributing Scenario (3) controlling professional worker exposure for PROC 10

Professional Use of General surface cleaning products Glass cleaner; Manual process

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	27.429 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.548571
inhalation	1.875 mg/m ³	350 mg/m ³	0.005357
Combined routes	27.696 mg/kg _{bw} /day	-	0.553929

10.82 Scenario 82: Professional Use of General surface cleaning products Glass cleaner; Spray and wipe manual process

The following RCR calculations refer to the contributing scenarios described in chapter 9.82

10.82.1 Contributing Scenario (1) controlling environmental exposure for ERC8A

Professional Use of General surface cleaning products Glass cleaner; Spray and wipe manual process

The quantitative risk characterisation for this environmental exposure has been calculated using EasyTRA.

The environmental exposure calculation per compartment is based on the algorithms of the EU TGD 2003 Risk Assessment Spreadsheet Model 1.24a.

10.82.1.1 Aquatic compartment (including sediment)

Compartments	PEC	PNEC	RCR = PEC/PNEC
Freshwater	0.00315 mg/L	0.100 mg/L	0.031497
Freshwater sediment	0.018656 mg/kg _{dwt}	0.292 mg/kg _{dwt}	0.06389
Marine water	0.000303 mg/L	0.010 mg/L	0.03033
Marine water sediment	0.001796 mg/kg _{dwt}	0.0292 mg/kg _{dwt}	0.061521

10.82.1.2 Terrestrial compartment

Compartments	PEC	PNEC	RCR = PEC/PNEC
Agricultural soil	0.000191 mg/kg _{dwt}	13.1 mg/kg _{dwt}	0.000015
Grassland	0.00004 mg/kg _{dwt}	13.1 mg/kg _{dwt}	3.07E-6

10.82.1.3 Microbiological activity in sewage treatment systems

Compartments	PEC	PNEC	RCR = PEC/PNEC
STP	0.00062 mg/L	50 mg/L	0.000012

10.82.1.4 Secondary poisoning / Man via environment

Secondary poisoning considers indirect exposure of man via foods, air and drinking water. The following table shows the calculated exposure to the substance from exemplary food sources at different trophic levels together with the total exposure over all routes and food sources.

Food source	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
Fish	7.15E-6 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-7
Root crop	3.33E-7 mg/kg _{bw} /day	10 mg/kg _{bw} /day	3.33E-8
Leaf crop	0.00001 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.00E-6
Milk	1.33E-8 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.33E-9
Meat	7.15E-10 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-11
Drinking water	0.000088 mg/kg _{bw} /day	10 mg/kg _{bw} /day	8.82E-6
inhalation	2.57E-11 mg/kg _{bw} /day	10 mg/kg _{bw} /day	2.57E-12
Total	0.000011 mg/kg _{bw} /day	10 mg/kg _{bw} /day	0.000011

10.82.2 Contributing Scenario (2) controlling professional worker exposure for PROC 8A

Professional Use of General surface cleaning products Glass cleaner; Spray and wipe manual process

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	13.714 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.274286
inhalation	0.1875 mg/m ³	350 mg/m ³	0.000536
Combined routes	13.741 mg/kg _{bw} /day	-	0.274821

10.83 Scenario 83: Professional Use of General surface cleaning products Kitchen cleaner; Manual process

The following RCR calculations refer to the contributing scenarios described in chapter 9.83

10.83.1 Contributing Scenario (1) controlling environmental exposure for ERC8A

Professional Use of General surface cleaning products Kitchen cleaner; Manual process

The quantitative risk characterisation for this environmental exposure has been calculated using EasyTRA.

The environmental exposure calculation per compartment is based on the algorithms of the EU TGD 2003 Risk Assessment Spreadsheet Model 1.24a.

10.83.1.1 Aquatic compartment (including sediment)

Compartments	PEC	PNEC	RCR = PEC/PNEC
Freshwater	0.00315 mg/L	0.100 mg/L	0.031497
Freshwater sediment	0.018656 mg/kg _{dwt}	0.292 mg/kg _{dwt}	0.06389
Marine water	0.000303 mg/L	0.010 mg/L	0.03033
Marine water sediment	0.001796 mg/kg _{dwt}	0.0292 mg/kg _{dwt}	0.061521

10.83.1.2 Terrestrial compartment

Compartments	PEC	PNEC	RCR = PEC/PNEC
Agricultural soil	0.000191 mg/kg _{dwt}	13.1 mg/kg _{dwt}	0.000015
Grassland	0.00004 mg/kg _{dwt}	13.1 mg/kg _{dwt}	3.07E-6

10.83.1.3 Microbiological activity in sewage treatment systems

Compartments	PEC	PNEC	RCR = PEC/PNEC
STP	0.00062 mg/L	50 mg/L	0.000012

10.83.1.4 Secondary poisoning / Man via environment

Secondary poisoning considers indirect exposure of man via foods, air and drinking water. The following table shows the calculated exposure to the substance from exemplary food sources at different trophic levels together with the total exposure over all routes and food sources.

Food source	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
Fish	7.15E-6 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-7
Root crop	3.33E-7 mg/kg _{bw} /day	10 mg/kg _{bw} /day	3.33E-8
Leaf crop	0.00001 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.00E-6
Milk	1.33E-8 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.33E-9
Meat	7.15E-10 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-11
Drinking water	0.000088 mg/kg _{bw} /day	10 mg/kg _{bw} /day	8.82E-6

Food source	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
inhalation	2.57E-11 mg/kg _{bw} /day	10 mg/kg _{bw} /day	2.57E-12
Total	0.000011 mg/kg _{bw} /day	10 mg/kg _{bw} /day	0.000011

10.83.2 Contributing Scenario (2) controlling professional worker exposure for PROC 10

Professional Use of General surface cleaning products Kitchen cleaner; Manual process

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	27.429 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.548571
inhalation	1.125 mg/m ³	350 mg/m ³	0.003214
Combined routes	27.589 mg/kg _{bw} /day	-	0.551786

10.83.3 Contributing Scenario (3) controlling professional worker exposure for PROC 8A

Professional Use of General surface cleaning products Kitchen cleaner; Manual process

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	13.714 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.274286
inhalation	0.1875 mg/m ³	350 mg/m ³	0.000536
Combined routes	13.741 mg/kg _{bw} /day	-	0.274821

10.84 Scenario 84: Professional Use of General surface cleaning products Kitchen cleaner; Spray and wipe manual process

The following RCR calculations refer to the contributing scenarios described in chapter 9.84

10.84.1 Contributing Scenario (1) controlling environmental exposure for ERC8A

Professional Use of General surface cleaning products Kitchen cleaner; Spray and wipe manual process

The quantitative risk characterisation for this environmental exposure has been calculated using EasyTRA.

The environmental exposure calculation per compartment is based on the algorithms of the EU TGD 2003 Risk Assessment Spreadsheet Model 1.24a.

10.84.1.1 Aquatic compartment (including sediment)

Compartments	PEC	PNEC	RCR = PEC/PNEC
Freshwater	0.00315 mg/L	0.100 mg/L	0.031497
Freshwater sediment	0.018656 mg/kg _{dwt}	0.292 mg/kg _{dwt}	0.06389
Marine water	0.000303 mg/L	0.010 mg/L	0.03033
Marine water sediment	0.001796 mg/kg _{dwt}	0.0292 mg/kg _{dwt}	0.061521

10.84.1.2 Terrestrial compartment

Compartments	PEC	PNEC	RCR = PEC/PNEC
Agricultural soil	0.000191 mg/kg _{dwt}	13.1 mg/kg _{dwt}	0.000015
Grassland	0.00004 mg/kg _{dwt}	13.1 mg/kg _{dwt}	3.07E-6

10.84.1.3 Microbiological activity in sewage treatment systems

Compartments	PEC	PNEC	RCR = PEC/PNEC
STP	0.00062 mg/L	50 mg/L	0.000012

10.84.1.4 Secondary poisoning / Man via environment

Secondary poisoning considers indirect exposure of man via foods, air and drinking water. The following table shows the calculated exposure to the substance from exemplary food sources at different trophic levels together with the total exposure over all routes and food sources.

Food source	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
Fish	7.15E-6 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-7
Root crop	3.33E-7 mg/kg _{bw} /day	10 mg/kg _{bw} /day	3.33E-8
Leaf crop	0.00001 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.00E-6
Milk	1.33E-8 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.33E-9
Meat	7.15E-10 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-11
Drinking water	0.000088 mg/kg _{bw} /day	10 mg/kg _{bw} /day	8.82E-6
inhalation	2.57E-11 mg/kg _{bw} /day	10 mg/kg _{bw} /day	2.57E-12
Total	0.000011 mg/kg _{bw} /day	10 mg/kg _{bw} /day	0.000011

10.84.2 Contributing Scenario (2) controlling professional worker exposure for PROC 8A

Professional Use of General surface cleaning products Kitchen cleaner; Spray and wipe manual process

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	13.714 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.274286
inhalation	0.1875 mg/m ³	350 mg/m ³	0.000536
Combined routes	13.741 mg/kg _{bw} /day	-	0.274821

10.85 Scenario 85: Professional Use of General surface cleaning products Metal cleaning agent; Manual process

The following RCR calculations refer to the contributing scenarios described in chapter 9.85

10.85.1 Contributing Scenario (1) controlling environmental exposure for ERC8A

Professional Use of General surface cleaning products Metal cleaning agent; Manual process

The quantitative risk characterisation for this environmental exposure has been calculated using EasyTRA.

The environmental exposure calculation per compartment is based on the algorithms of the EU TGD 2003 Risk Assessment Spreadsheet Model 1.24a.

10.85.1.1 Aquatic compartment (including sediment)

Compartments	PEC	PNEC	RCR = PEC/PNEC
Freshwater	0.00315 mg/L	0.100 mg/L	0.031497
Freshwater sediment	0.018656 mg/kg _{dwt}	0.292 mg/kg _{dwt}	0.06389
Marine water	0.000303 mg/L	0.010 mg/L	0.03033
Marine water sediment	0.001796 mg/kg _{dwt}	0.0292 mg/kg _{dwt}	0.061521

10.85.1.2 Terrestrial compartment

Compartments	PEC	PNEC	RCR = PEC/PNEC
Agricultural soil	0.000191 mg/kg _{dwt}	13.1 mg/kg _{dwt}	0.000015
Grassland	0.00004 mg/kg _{dwt}	13.1 mg/kg _{dwt}	3.07E-6

10.85.1.3 Microbiological activity in sewage treatment systems

Compartments	PEC	PNEC	RCR = PEC/PNEC
STP	0.00062 mg/L	50 mg/L	0.000012

10.85.1.4 Secondary poisoning / Man via environment

Secondary poisoning considers indirect exposure of man via foods, air and drinking water. The following table shows the calculated exposure to the substance from exemplary food sources at different trophic levels together with the total exposure over all routes and food sources.

Food source	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
Fish	7.15E-6 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-7
Root crop	3.33E-7 mg/kg _{bw} /day	10 mg/kg _{bw} /day	3.33E-8
Leaf crop	0.00001 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.00E-6
Milk	1.33E-8 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.33E-9
Meat	7.15E-10 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-11
Drinking water	0.000088 mg/kg _{bw} /day	10 mg/kg _{bw} /day	8.82E-6

Food source	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
inhalation	2.57E-11 mg/kg _{bw} /day	10 mg/kg _{bw} /day	2.57E-12
Total	0.000011 mg/kg _{bw} /day	10 mg/kg _{bw} /day	0.000011

10.85.2 Contributing Scenario (2) controlling professional worker exposure for PROC 8A

Professional Use of General surface cleaning products Metal cleaning agent; Manual process

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	13.714 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.274286
inhalation	0.375 mg/m ³	350 mg/m ³	0.001071
Combined routes	13.768 mg/kg _{bw} /day	-	0.275357

10.85.3 Contributing Scenario (3) controlling professional worker exposure for PROC 10

Professional Use of General surface cleaning products Metal cleaning agent; Manual process

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	27.429 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.548571
inhalation	1.875 mg/m ³	350 mg/m ³	0.005357
Combined routes	27.696 mg/kg _{bw} /day	-	0.553929

10.86 Scenario 86: Professional Use of General surface cleaning products Oven/Grill Cleaner; Manual process

The following RCR calculations refer to the contributing scenarios described in chapter 9.86

10.86.1 Contributing Scenario (1) controlling environmental exposure for ERC8A

Professional Use of General surface cleaning products Oven/Grill Cleaner; Manual process

The quantitative risk characterisation for this environmental exposure has been calculated using EasyTRA.

The environmental exposure calculation per compartment is based on the algorithms of the EU TGD 2003 Risk Assessment Spreadsheet Model 1.24a.

10.86.1.1 Aquatic compartment (including sediment)

Compartments	PEC	PNEC	RCR = PEC/PNEC
Freshwater	0.00315 mg/L	0.100 mg/L	0.031497
Freshwater sediment	0.018656 mg/kg _{dwt}	0.292 mg/kg _{dwt}	0.06389
Marine water	0.000303 mg/L	0.010 mg/L	0.03033
Marine water sediment	0.001796 mg/kg _{dwt}	0.0292 mg/kg _{dwt}	0.061521

10.86.1.2 Terrestrial compartment

Compartments	PEC	PNEC	RCR = PEC/PNEC
Agricultural soil	0.000191 mg/kg _{dwt}	13.1 mg/kg _{dwt}	0.000015
Grassland	0.00004 mg/kg _{dwt}	13.1 mg/kg _{dwt}	3.07E-6

10.86.1.3 Microbiological activity in sewage treatment systems

Compartments	PEC	PNEC	RCR = PEC/PNEC
STP	0.00062 mg/L	50 mg/L	0.000012

10.86.1.4 Secondary poisoning / Man via environment

Secondary poisoning considers indirect exposure of man via foods, air and drinking water. The following table shows the calculated exposure to the substance from exemplary food sources at different trophic levels together with the total exposure over all routes and food sources.

Food source	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
Fish	7.15E-6 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-7
Root crop	3.33E-7 mg/kg _{bw} /day	10 mg/kg _{bw} /day	3.33E-8
Leaf crop	0.00001 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.00E-6
Milk	1.33E-8 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.33E-9
Meat	7.15E-10 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-11
Drinking water	0.000088 mg/kg _{bw} /day	10 mg/kg _{bw} /day	8.82E-6
inhalation	2.57E-11 mg/kg _{bw} /day	10 mg/kg _{bw} /day	2.57E-12
Total	0.000011 mg/kg _{bw} /day	10 mg/kg _{bw} /day	0.000011

10.86.2 Contributing Scenario (2) controlling professional worker exposure for PROC 10

Professional Use of General surface cleaning products Oven/Grill Cleaner; Manual process

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	0.274286 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.005486
inhalation	1.125 mg/m ³	350 mg/m ³	0.003214
Combined routes	0.435 mg/kg _{bw} /day	-	0.0087

10.87 Scenario 87: Professional Use of General surface cleaning products Oven/Grill Cleaner; Spray and wipe manual process

The following RCR calculations refer to the contributing scenarios described in chapter 9.87

10.87.1 Contributing Scenario (1) controlling environmental exposure for ERC8A

Professional Use of General surface cleaning products Oven/Grill Cleaner; Spray and wipe manual process

The quantitative risk characterisation for this environmental exposure has been calculated using EasyTRA.

The environmental exposure calculation per compartment is based on the algorithms of the EU TGD 2003 Risk Assessment Spreadsheet Model 1.24a.

10.87.1.1 Aquatic compartment (including sediment)

Compartments	PEC	PNEC	RCR = PEC/PNEC
Freshwater	0.00315 mg/L	0.100 mg/L	0.031497
Freshwater sediment	0.018656 mg/kg _{dwt}	0.292 mg/kg _{dwt}	0.06389
Marine water	0.000303 mg/L	0.010 mg/L	0.03033
Marine water sediment	0.001796 mg/kg _{dwt}	0.0292 mg/kg _{dwt}	0.061521

10.87.1.2 Terrestrial compartment

Compartments	PEC	PNEC	RCR = PEC/PNEC
Agricultural soil	0.000191 mg/kg _{dwt}	13.1 mg/kg _{dwt}	0.000015
Grassland	0.00004 mg/kg _{dwt}	13.1 mg/kg _{dwt}	3.07E-6

10.87.1.3 Microbiological activity in sewage treatment systems

Compartments	PEC	PNEC	RCR = PEC/PNEC
STP	0.00062 mg/L	50 mg/L	0.000012

10.87.1.4 Secondary poisoning / Man via environment

Secondary poisoning considers indirect exposure of man via foods, air and drinking water. The following table shows the calculated exposure to the substance from exemplary food sources at different trophic levels together with the total exposure over all routes and food sources.

Food source	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
Fish	7.15E-6 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-7
Root crop	3.33E-7 mg/kg _{bw} /day	10 mg/kg _{bw} /day	3.33E-8
Leaf crop	0.00001 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.00E-6
Milk	1.33E-8 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.33E-9
Meat	7.15E-10 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-11
Drinking water	0.000088	10 mg/kg _{bw} /day	8.82E-6

Food source	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
	mg/kg _{bw} /day		
inhalation	2.57E-11 mg/kg _{bw} /day	10 mg/kg _{bw} /day	2.57E-12
Total	0.000011 mg/kg _{bw} /day	10 mg/kg _{bw} /day	0.000011

10.87.2 Contributing Scenario (2) controlling professional worker exposure for PROC 11

Professional Use of General surface cleaning products Oven/Grill Cleaner; Spray and wipe manual process

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	1.071 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.021429
inhalation	1.125 mg/m ³	350 mg/m ³	0.003214
Combined routes	1.232 mg/kg _{bw} /day	-	0.024643

10.88 Scenario 88: Professional Use of General surface cleaning products Sanitary cleaner; Manual process

The following RCR calculations refer to the contributing scenarios described in chapter 9.88

10.88.1 Contributing Scenario (1) controlling environmental exposure for ERC8A

Professional Use of General surface cleaning products Sanitary cleaner; Manual process

The quantitative risk characterisation for this environmental exposure has been calculated using EasyTRA.

The environmental exposure calculation per compartment is based on the algorithms of the EU TGD 2003 Risk Assessment Spreadsheet Model 1.24a.

10.88.1.1 Aquatic compartment (including sediment)

Compartments	PEC	PNEC	RCR = PEC/PNEC
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Compartments	PEC	PNEC	RCR = PEC/PNEC
Freshwater	0.00315 mg/L	0.100 mg/L	0.031497
Freshwater sediment	0.018656 mg/kg _{dwt}	0.292 mg/kg _{dwt}	0.06389
Marine water	0.000303 mg/L	0.010 mg/L	0.03033
Marine water sediment	0.001796 mg/kg _{dwt}	0.0292 mg/kg _{dwt}	0.061521

10.88.1.2 Terrestrial compartment

Compartments	PEC	PNEC	RCR = PEC/PNEC
Agricultural soil	0.000191 mg/kg _{dwt}	13.1 mg/kg _{dwt}	0.000015
Grassland	0.00004 mg/kg _{dwt}	13.1 mg/kg _{dwt}	3.07E-6

10.88.1.3 Microbiological activity in sewage treatment systems

Compartments	PEC	PNEC	RCR = PEC/PNEC
STP	0.00062 mg/L	50 mg/L	0.000012

10.88.1.4 Secondary poisoning / Man via environment

Secondary poisoning considers indirect exposure of man via foods, air and drinking water. The following table shows the calculated exposure to the substance from exemplary food sources at different trophic levels together with the total exposure over all routes and food sources.

Food source	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
Fish	7.15E-6 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-7
Root crop	3.33E-7 mg/kg _{bw} /day	10 mg/kg _{bw} /day	3.33E-8
Leaf crop	0.00001 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.00E-6
Milk	1.33E-8 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.33E-9
Meat	7.15E-10 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-11
Drinking water	0.000088 mg/kg _{bw} /day	10 mg/kg _{bw} /day	8.82E-6
inhalation	2.57E-11 mg/kg _{bw} /day	10 mg/kg _{bw} /day	2.57E-12
Total	0.000011 mg/kg _{bw} /day	10 mg/kg _{bw} /day	0.000011

10.88.2 Contributing Scenario (2) controlling professional worker exposure for

PROC 8A

Professional Use of General surface cleaning products Sanitary cleaner; Manual process

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	13.714 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.274286
inhalation	0.375 mg/m ³	350 mg/m ³	0.001071
Combined routes	13.768 mg/kg _{bw} /day	-	0.275357

10.88.3 Contributing Scenario (3) controlling professional worker exposure for PROC 10

Professional Use of General surface cleaning products Sanitary cleaner; Manual process

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	27.429 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.548571
inhalation	1.875 mg/m ³	350 mg/m ³	0.005357
Combined routes	27.696 mg/kg _{bw} /day	-	0.553929

10.89 Scenario 89: Professional Use of General surface cleaning products Sanitary cleaner; Spray and wipe manual process

The following RCR calculations refer to the contributing scenarios described in chapter 9.89

10.89.1 Contributing Scenario (1) controlling environmental exposure for ERC8A

Professional Use of General surface cleaning products Sanitary cleaner; Spray and wipe manual process

The quantitative risk characterisation for this environmental exposure has been

calculated using EasyTRA.

The environmental exposure calculation per compartment is based on the algorithms of the EU TGD 2003 Risk Assessment Spreadsheet Model 1.24a.

10.89.1.1 Aquatic compartment (including sediment)

Compartments	PEC	PNEC	RCR = PEC/PNEC
Freshwater	0.00315 mg/L	0.100 mg/L	0.031497
Freshwater sediment	0.018656 mg/kg _{dwt}	0.292 mg/kg _{dwt}	0.06389
Marine water	0.000303 mg/L	0.010 mg/L	0.03033
Marine water sediment	0.001796 mg/kg _{dwt}	0.0292 mg/kg _{dwt}	0.061521

10.89.1.2 Terrestrial compartment

Compartments	PEC	PNEC	RCR = PEC/PNEC
Agricultural soil	0.000191 mg/kg _{dwt}	13.1 mg/kg _{dwt}	0.000015
Grassland	0.00004 mg/kg _{dwt}	13.1 mg/kg _{dwt}	3.07E-6

10.89.1.3 Microbiological activity in sewage treatment systems

Compartments	PEC	PNEC	RCR = PEC/PNEC
STP	0.00062 mg/L	50 mg/L	0.000012

10.89.1.4 Secondary poisoning / Man via environment

Secondary poisoning considers indirect exposure of man via foods, air and drinking water. The following table shows the calculated exposure to the substance from exemplary food sources at different trophic levels together with the total exposure over all routes and food sources.

Food source	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
Fish	7.15E-6 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-7
Root crop	3.33E-7 mg/kg _{bw} /day	10 mg/kg _{bw} /day	3.33E-8
Leaf crop	0.00001 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.00E-6
Milk	1.33E-8 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.33E-9
Meat	7.15E-10 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-11
Drinking water	0.000088 mg/kg _{bw} /day	10 mg/kg _{bw} /day	8.82E-6
inhalation	2.57E-11	10 mg/kg _{bw} /day	2.57E-12

Food source	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
	mg/kg _{bw} /day		
Total	0.000011 mg/kg _{bw} /day	10 mg/kg _{bw} /day	0.000011

10.89.2 Contributing Scenario (2) controlling professional worker exposure for PROC 8A

Professional Use of General surface cleaning products Sanitary cleaner; Spray and wipe manual process

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	13.714 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.274286
inhalation	0.1875 mg/m ³	350 mg/m ³	0.000536
Combined routes	13.741 mg/kg _{bw} /day	-	0.274821

10.90 Scenario 90: Professional Use of General surface cleaning products Surface disinfectant; Manual process

The following RCR calculations refer to the contributing scenarios described in chapter 9.90

10.90.1 Contributing Scenario (1) controlling environmental exposure for ERC8A

Professional Use of General surface cleaning products Surface disinfectant; Manual process

The quantitative risk characterisation for this environmental exposure has been calculated using EasyTRA.

The environmental exposure calculation per compartment is based on the algorithms of the EU TGD 2003 Risk Assessment Spreadsheet Model 1.24a.

10.90.1.1 Aquatic compartment (including sediment)

Compartments	PEC	PNEC	RCR = PEC/PNEC
Freshwater	0.00315 mg/L	0.100 mg/L	0.031497

Compartments	PEC	PNEC	RCR = PEC/PNEC
Freshwater sediment	0.018656 mg/kg _{dwt}	0.292 mg/kg _{dwt}	0.06389
Marine water	0.000303 mg/L	0.010 mg/L	0.03033
Marine water sediment	0.001796 mg/kg _{dwt}	0.0292 mg/kg _{dwt}	0.061521

10.90.1.2 Terrestrial compartment

Compartments	PEC	PNEC	RCR = PEC/PNEC
Agricultural soil	0.000191 mg/kg _{dwt}	13.1 mg/kg _{dwt}	0.000015
Grassland	0.00004 mg/kg _{dwt}	13.1 mg/kg _{dwt}	3.07E-6

10.90.1.3 Microbiological activity in sewage treatment systems

Compartments	PEC	PNEC	RCR = PEC/PNEC
STP	0.00062 mg/L	50 mg/L	0.000012

10.90.1.4 Secondary poisoning / Man via environment

Secondary poisoning considers indirect exposure of man via foods, air and drinking water. The following table shows the calculated exposure to the substance from exemplary food sources at different trophic levels together with the total exposure over all routes and food sources.

Food source	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
Fish	7.15E-6 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-7
Root crop	3.33E-7 mg/kg _{bw} /day	10 mg/kg _{bw} /day	3.33E-8
Leaf crop	0.00001 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.00E-6
Milk	1.33E-8 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.33E-9
Meat	7.15E-10 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-11
Drinking water	0.000088 mg/kg _{bw} /day	10 mg/kg _{bw} /day	8.82E-6
inhalation	2.57E-11 mg/kg _{bw} /day	10 mg/kg _{bw} /day	2.57E-12
Total	0.000011 mg/kg _{bw} /day	10 mg/kg _{bw} /day	0.000011

10.90.2 Contributing Scenario (2) controlling professional worker exposure for PROC 10

Professional Use of General surface cleaning products Surface disinfectant; Manual process

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	27.429 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.548571
inhalation	1.875 mg/m ³	350 mg/m ³	0.005357
Combined routes	27.696 mg/kg _{bw} /day	-	0.553929

10.90.3 Contributing Scenario (3) controlling professional worker exposure for PROC 8A

Professional Use of General surface cleaning products Surface disinfectant; Manual process

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	0.137143 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.002743
inhalation	0.1875 mg/m ³	350 mg/m ³	0.000536
Combined routes	0.163929 mg/kg _{bw} /day	-	0.003279

10.91 Scenario 91: Professional Use of General surface cleaning products Surface disinfectant; Spray and rinse manual process

The following RCR calculations refer to the contributing scenarios described in chapter 9.91

10.91.1 Contributing Scenario (1) controlling environmental exposure for ERC8A

Professional Use of General surface cleaning products Surface disinfectant; Spray and rinse manual process

The quantitative risk characterisation for this environmental exposure has been calculated using EasyTRA.

The environmental exposure calculation per compartment is based on the algorithms of the EU TGD 2003 Risk Assessment Spreadsheet Model 1.24a.

10.91.1.1 Aquatic compartment (including sediment)

Compartments	PEC	PNEC	RCR = PEC/PNEC
Freshwater	0.00315 mg/L	0.100 mg/L	0.031497
Freshwater sediment	0.018656 mg/kg _{dwt}	0.292 mg/kg _{dwt}	0.06389
Marine water	0.000303 mg/L	0.010 mg/L	0.03033
Marine water sediment	0.001796 mg/kg _{dwt}	0.0292 mg/kg _{dwt}	0.061521

10.91.1.2 Terrestrial compartment

Compartments	PEC	PNEC	RCR = PEC/PNEC
Agricultural soil	0.000191 mg/kg _{dwt}	13.1 mg/kg _{dwt}	0.000015
Grassland	0.00004 mg/kg _{dwt}	13.1 mg/kg _{dwt}	3.07E-6

10.91.1.3 Microbiological activity in sewage treatment systems

Compartments	PEC	PNEC	RCR = PEC/PNEC
STP	0.00062 mg/L	50 mg/L	0.000012

10.91.1.4 Secondary poisoning / Man via environment

Secondary poisoning considers indirect exposure of man via foods, air and drinking water. The following table shows the calculated exposure to the substance from exemplary food sources at different trophic levels together with the total exposure over all routes and food sources.

Food source	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
Fish	7.15E-6 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-7
Root crop	3.33E-7 mg/kg _{bw} /day	10 mg/kg _{bw} /day	3.33E-8
Leaf crop	0.00001 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.00E-6
Milk	1.33E-8 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.33E-9
Meat	7.15E-10 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-11
Drinking water	0.000088 mg/kg _{bw} /day	10 mg/kg _{bw} /day	8.82E-6

Food source	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
inhalation	2.57E-11 mg/kg _{bw} /day	10 mg/kg _{bw} /day	2.57E-12
Total	0.000011 mg/kg _{bw} /day	10 mg/kg _{bw} /day	0.000011

10.91.2 Contributing Scenario (2) controlling professional worker exposure for PROC 8A

Professional Use of General surface cleaning products Surface disinfectant; Spray and rinse manual process

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	0.137143 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.002743
inhalation	0.1875 mg/m ³	350 mg/m ³	0.000536
Combined routes	0.163929 mg/kg _{bw} /day	-	0.003279

10.92 Scenario 92: Professional Use of General surface cleaning products Wet wipe; Manual process

The following RCR calculations refer to the contributing scenarios described in chapter 9.92

10.92.1 Contributing Scenario (1) controlling environmental exposure for ERC8A

Professional Use of General surface cleaning products Wet wipe; Manual process

The quantitative risk characterisation for this environmental exposure has been calculated using EasyTRA.

The environmental exposure calculation per compartment is based on the algorithms of the EU TGD 2003 Risk Assessment Spreadsheet Model 1.24a.

10.92.1.1 Aquatic compartment (including sediment)

Compartments	PEC	PNEC	RCR = PEC/PNEC
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Compartments	PEC	PNEC	RCR = PEC/PNEC
Freshwater	0.00315 mg/L	0.100 mg/L	0.031497
Freshwater sediment	0.018656 mg/kg _{dwt}	0.292 mg/kg _{dwt}	0.06389
Marine water	0.000303 mg/L	0.010 mg/L	0.03033
Marine water sediment	0.001796 mg/kg _{dwt}	0.0292 mg/kg _{dwt}	0.061521

10.92.1.2 Terrestrial compartment

Compartments	PEC	PNEC	RCR = PEC/PNEC
Agricultural soil	0.000191 mg/kg _{dwt}	13.1 mg/kg _{dwt}	0.000015
Grassland	0.00004 mg/kg _{dwt}	13.1 mg/kg _{dwt}	3.07E-6

10.92.1.3 Microbiological activity in sewage treatment systems

Compartments	PEC	PNEC	RCR = PEC/PNEC
STP	0.00062 mg/L	50 mg/L	0.000012

10.92.1.4 Secondary poisoning / Man via environment

Secondary poisoning considers indirect exposure of man via foods, air and drinking water. The following table shows the calculated exposure to the substance from exemplary food sources at different trophic levels together with the total exposure over all routes and food sources.

Food source	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
Fish	7.15E-6 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-7
Root crop	3.33E-7 mg/kg _{bw} /day	10 mg/kg _{bw} /day	3.33E-8
Leaf crop	0.00001 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.00E-6
Milk	1.33E-8 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.33E-9
Meat	7.15E-10 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-11
Drinking water	0.000088 mg/kg _{bw} /day	10 mg/kg _{bw} /day	8.82E-6
inhalation	2.57E-11 mg/kg _{bw} /day	10 mg/kg _{bw} /day	2.57E-12
Total	0.000011 mg/kg _{bw} /day	10 mg/kg _{bw} /day	0.000011

10.92.2 Contributing Scenario (2) controlling professional worker exposure for

PROC 10

Professional Use of General surface cleaning products Wet wipe; Manual process

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	27.429 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.548571
inhalation	1.875 mg/m ³	350 mg/m ³	0.005357
Combined routes	27.696 mg/kg _{bw} /day	-	0.553929

10.93 Scenario 93: Professional Use of Hand Cleaners Professional Hand Cleaner

The following RCR calculations refer to the contributing scenarios described in chapter 9.93

10.93.1 Contributing Scenario (1) controlling environmental exposure for ERC8A

Professional Use of Hand Cleaners Professional Hand Cleaner

The quantitative risk characterisation for this environmental exposure has been calculated using EasyTRA.

The environmental exposure calculation per compartment is based on the algorithms of the EU TGD 2003 Risk Assessment Spreadsheet Model 1.24a.

10.93.1.1 Aquatic compartment (including sediment)

Compartments	PEC	PNEC	RCR = PEC/PNEC
Freshwater	0.00315 mg/L	0.100 mg/L	0.031497
Freshwater sediment	0.018656 mg/kg _{dwt}	0.292 mg/kg _{dwt}	0.06389
Marine water	0.000303 mg/L	0.010 mg/L	0.03033
Marine water sediment	0.001796 mg/kg _{dwt}	0.0292 mg/kg _{dwt}	0.061521

10.93.1.2 Terrestrial compartment

Compartments	PEC	PNEC	RCR = PEC/PNEC
Agricultural soil	0.000191 mg/kg _{dwt}	13.1 mg/kg _{dwt}	0.000015
Grassland	0.00004 mg/kg _{dwt}	13.1 mg/kg _{dwt}	3.07E-6

10.93.1.3 Microbiological activity in sewage treatment systems

Compartments	PEC	PNEC	RCR = PEC/PNEC
STP	0.00062 mg/L	50 mg/L	0.000012

10.93.1.4 Secondary poisoning / Man via environment

Secondary poisoning considers indirect exposure of man via foods, air and drinking water. The following table shows the calculated exposure to the substance from exemplary food sources at different trophic levels together with the total exposure over all routes and food sources.

Food source	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
Fish	7.15E-6 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-7
Root crop	3.33E-7 mg/kg _{bw} /day	10 mg/kg _{bw} /day	3.33E-8
Leaf crop	0.00001 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.00E-6
Milk	1.33E-8 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.33E-9
Meat	7.15E-10 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-11
Drinking water	0.000088 mg/kg _{bw} /day	10 mg/kg _{bw} /day	8.82E-6
inhalation	2.57E-11 mg/kg _{bw} /day	10 mg/kg _{bw} /day	2.57E-12
Total	0.000011 mg/kg _{bw} /day	10 mg/kg _{bw} /day	0.000011

10.94 Scenario 94: Professional Use of Laundry products Conditioner (softner/starch); Manual process

The following RCR calculations refer to the contributing scenarios described in chapter 9.94

10.94.1 Contributing Scenario (1) controlling environmental exposure for ERC8A

Professional Use of Laundry products Conditioner (softner/starch); Manual process

The quantitative risk characterisation for this environmental exposure has been calculated using EasyTRA.

The environmental exposure calculation per compartment is based on the algorithms of the EU TGD 2003 Risk Assessment Spreadsheet Model 1.24a.

10.94.1.1 Aquatic compartment (including sediment)

Compartments	PEC	PNEC	RCR = PEC/PNEC
Freshwater	0.00315 mg/L	0.100 mg/L	0.031497
Freshwater sediment	0.018656 mg/kg _{dwt}	0.292 mg/kg _{dwt}	0.06389
Marine water	0.000303 mg/L	0.010 mg/L	0.03033
Marine water sediment	0.001796 mg/kg _{dwt}	0.0292 mg/kg _{dwt}	0.061521

10.94.1.2 Terrestrial compartment

Compartments	PEC	PNEC	RCR = PEC/PNEC
Agricultural soil	0.000191 mg/kg _{dwt}	13.1 mg/kg _{dwt}	0.000015
Grassland	0.00004 mg/kg _{dwt}	13.1 mg/kg _{dwt}	3.07E-6

10.94.1.3 Microbiological activity in sewage treatment systems

Compartments	PEC	PNEC	RCR = PEC/PNEC
STP	0.00062 mg/L	50 mg/L	0.000012

10.94.1.4 Secondary poisoning / Man via environment

Secondary poisoning considers indirect exposure of man via foods, air and drinking water. The following table shows the calculated exposure to the substance from exemplary food sources at different trophic levels together with the total exposure over all routes and food sources.

Food source	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
Fish	7.15E-6 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-7
Root crop	3.33E-7 mg/kg _{bw} /day	10 mg/kg _{bw} /day	3.33E-8
Leaf crop	0.00001 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.00E-6
Milk	1.33E-8 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.33E-9
Meat	7.15E-10 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-11
Drinking water	0.000088 mg/kg _{bw} /day	10 mg/kg _{bw} /day	8.82E-6
inhalation	2.57E-11 mg/kg _{bw} /day	10 mg/kg _{bw} /day	2.57E-12
Total	0.000011 mg/kg _{bw} /day	10 mg/kg _{bw} /day	0.000011

10.94.2 Contributing Scenario (2) controlling professional worker exposure for PROC 8A

Professional Use of Laundry products Conditioner (softner/starch); Manual process

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	0.137143 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.002743
inhalation	0.375 mg/m ³	350 mg/m ³	0.001071
Combined routes	0.190714 mg/kg _{bw} /day	-	0.003814

10.94.3 Contributing Scenario (3) controlling professional worker exposure for PROC 1

Professional Use of Laundry products Conditioner (softner/starch); Manual process

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	0.342857 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.006857
inhalation	0.01875 mg/m ³	350 mg/m ³	0.000054
Combined routes	0.345536 mg/kg _{bw} /day	-	0.006911

10.95 Scenario 95: Professional Use of Laundry products Conditioner (softner/starch); Semi automatic process

The following RCR calculations refer to the contributing scenarios described in chapter 9.95

10.95.1 Contributing Scenario (1) controlling environmental exposure for ERC8A

Professional Use of Laundry products Conditioner (softner/starch); Semi automatic

process

The quantitative risk characterisation for this environmental exposure has been calculated using EasyTRA.

The environmental exposure calculation per compartment is based on the algorithms of the EU TGD 2003 Risk Assessment Spreadsheet Model 1.24a.

10.95.1.1 Aquatic compartment (including sediment)

Compartments	PEC	PNEC	RCR = PEC/PNEC
Freshwater	0.00315 mg/L	0.100 mg/L	0.031497
Freshwater sediment	0.018656 mg/kg _{dwt}	0.292 mg/kg _{dwt}	0.06389
Marine water	0.000303 mg/L	0.010 mg/L	0.03033
Marine water sediment	0.001796 mg/kg _{dwt}	0.0292 mg/kg _{dwt}	0.061521

10.95.1.2 Terrestrial compartment

Compartments	PEC	PNEC	RCR = PEC/PNEC
Agricultural soil	0.000191 mg/kg _{dwt}	13.1 mg/kg _{dwt}	0.000015
Grassland	0.00004 mg/kg _{dwt}	13.1 mg/kg _{dwt}	3.07E-6

10.95.1.3 Microbiological activity in sewage treatment systems

Compartments	PEC	PNEC	RCR = PEC/PNEC
STP	0.00062 mg/L	50 mg/L	0.000012

10.95.1.4 Secondary poisoning / Man via environment

Secondary poisoning considers indirect exposure of man via foods, air and drinking water. The following table shows the calculated exposure to the substance from exemplary food sources at different trophic levels together with the total exposure over all routes and food sources.

Food source	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
Fish	7.15E-6 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-7
Root crop	3.33E-7 mg/kg _{bw} /day	10 mg/kg _{bw} /day	3.33E-8
Leaf crop	0.00001 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.00E-6
Milk	1.33E-8 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.33E-9
Meat	7.15E-10 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-11

Food source	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
Drinking water	0.000088 mg/kg _{bw} /day	10 mg/kg _{bw} /day	8.82E-6
inhalation	2.57E-11 mg/kg _{bw} /day	10 mg/kg _{bw} /day	2.57E-12
Total	0.000011 mg/kg _{bw} /day	10 mg/kg _{bw} /day	0.000011

10.95.2 Contributing Scenario (2) controlling professional worker exposure for PROC 8A

Professional Use of Laundry products Conditioner (softner/starch); Semi automatic process

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	0.137143 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.002743
inhalation	0.375 mg/m ³	350 mg/m ³	0.001071
Combined routes	0.190714 mg/kg _{bw} /day	-	0.003814

10.95.3 Contributing Scenario (3) controlling professional worker exposure for PROC 1

Professional Use of Laundry products Conditioner (softner/starch); Semi automatic process

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	0.342857 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.006857

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
inhalation	0.01875 mg/m ³	350 mg/m ³	0.000054
Combined routes	0.345536 mg/kg _{bw} /day	-	0.006911

10.96 Scenario 96: Professional Use of Laundry products Laundry aid (gasing); Manual process

The following RCR calculations refer to the contributing scenarios described in chapter 9.96

10.96.1 Contributing Scenario (1) controlling environmental exposure for ERC8A

Professional Use of Laundry products Laundry aid (gasing); Manual process

The quantitative risk characterisation for this environmental exposure has been calculated using EasyTRA.

The environmental exposure calculation per compartment is based on the algorithms of the EU TGD 2003 Risk Assessment Spreadsheet Model 1.24a.

10.96.1.1 Aquatic compartment (including sediment)

Compartments	PEC	PNEC	RCR = PEC/PNEC
Freshwater	0.00315 mg/L	0.100 mg/L	0.031497
Freshwater sediment	0.018656 mg/kg _{dwt}	0.292 mg/kg _{dwt}	0.06389
Marine water	0.000303 mg/L	0.010 mg/L	0.03033
Marine water sediment	0.001796 mg/kg _{dwt}	0.0292 mg/kg _{dwt}	0.061521

10.96.1.2 Terrestrial compartment

Compartments	PEC	PNEC	RCR = PEC/PNEC
Agricultural soil	0.000191 mg/kg _{dwt}	13.1 mg/kg _{dwt}	0.000015
Grassland	0.00004 mg/kg _{dwt}	13.1 mg/kg _{dwt}	3.07E-6

10.96.1.3 Microbiological activity in sewage treatment systems

Compartments	PEC	PNEC	RCR = PEC/PNEC
STP	0.00062 mg/L	50 mg/L	0.000012

10.96.1.4 Secondary poisoning / Man via environment

Secondary poisoning considers indirect exposure of man via foods, air and drinking water. The following table shows the calculated exposure to the substance from exemplary food sources at different trophic levels together with the total exposure over all routes and food sources.

Food source	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
Fish	7.15E-6 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-7
Root crop	3.33E-7 mg/kg _{bw} /day	10 mg/kg _{bw} /day	3.33E-8
Leaf crop	0.00001 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.00E-6
Milk	1.33E-8 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.33E-9
Meat	7.15E-10 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-11
Drinking water	0.000088 mg/kg _{bw} /day	10 mg/kg _{bw} /day	8.82E-6
inhalation	2.57E-11 mg/kg _{bw} /day	10 mg/kg _{bw} /day	2.57E-12
Total	0.000011 mg/kg _{bw} /day	10 mg/kg _{bw} /day	0.000011

10.96.2 Contributing Scenario (2) controlling professional worker exposure for PROC 8A

Professional Use of Laundry products Laundry aid (gasing); Manual process

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	0.137143 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.002743
inhalation	0.375 mg/m ³	350 mg/m ³	0.001071
Combined routes	0.190714 mg/kg _{bw} /day	-	0.003814

10.96.3 Contributing Scenario (3) controlling professional worker exposure for PROC 1

Professional Use of Laundry products Laundry aid (gasing); Manual process

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	0.342857 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.006857
inhalation	0.01875 mg/m ³	350 mg/m ³	0.000054
Combined routes	0.345536 mg/kg _{bw} /day	-	0.006911

10.97 Scenario 97: Professional Use of Laundry products Laundry aid (gasing); Semi automatic process

The following RCR calculations refer to the contributing scenarios described in chapter 9.97

10.97.1 Contributing Scenario (1) controlling environmental exposure for ERC8A

Professional Use of Laundry products Laundry aid (gasing); Semi automatic process

The quantitative risk characterisation for this environmental exposure has been calculated using EasyTRA.

The environmental exposure calculation per compartment is based on the algorithms of the EU TGD 2003 Risk Assessment Spreadsheet Model 1.24a.

10.97.1.1 Aquatic compartment (including sediment)

Compartments	PEC	PNEC	RCR = PEC/PNEC
Freshwater	0.00315 mg/L	0.100 mg/L	0.031497
Freshwater sediment	0.018656 mg/kg _{dwt}	0.292 mg/kg _{dwt}	0.06389
Marine water	0.000303 mg/L	0.010 mg/L	0.03033
Marine water sediment	0.001796 mg/kg _{dwt}	0.0292 mg/kg _{dwt}	0.061521

10.97.1.2 Terrestrial compartment

Compartments	PEC	PNEC	RCR = PEC/PNEC
Agricultural soil	0.000191 mg/kg _{dwt}	13.1 mg/kg _{dwt}	0.000015
Grassland	0.00004 mg/kg _{dwt}	13.1 mg/kg _{dwt}	3.07E-6

10.97.1.3 Microbiological activity in sewage treatment systems

Compartments	PEC	PNEC	RCR = PEC/PNEC
STP	0.00062 mg/L	50 mg/L	0.000012

10.97.1.4 Secondary poisoning / Man via environment

Secondary poisoning considers indirect exposure of man via foods, air and drinking water. The following table shows the calculated exposure to the substance from exemplary food sources at different trophic levels together with the total exposure over all routes and food sources.

Food source	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
Fish	7.15E-6 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-7
Root crop	3.33E-7 mg/kg _{bw} /day	10 mg/kg _{bw} /day	3.33E-8
Leaf crop	0.00001 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.00E-6
Milk	1.33E-8 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.33E-9
Meat	7.15E-10 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-11
Drinking water	0.000088 mg/kg _{bw} /day	10 mg/kg _{bw} /day	8.82E-6
inhalation	2.57E-11 mg/kg _{bw} /day	10 mg/kg _{bw} /day	2.57E-12
Total	0.000011 mg/kg _{bw} /day	10 mg/kg _{bw} /day	0.000011

10.97.2 Contributing Scenario (2) controlling professional worker exposure for PROC 8A

Professional Use of Laundry products Laundry aid (gasing); Semi automatic process

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	0.137143 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.002743
inhalation	0.375 mg/m ³	350 mg/m ³	0.001071
Combined routes	0.190714 mg/kg _{bw} /day	-	0.003814

10.97.3 Contributing Scenario (3) controlling professional worker exposure for PROC 1

Professional Use of Laundry products Laundry aid (gasing); Semi automatic process

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	0.342857 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.006857
inhalation	0.01875 mg/m ³	350 mg/m ³	0.000054
Combined routes	0.345536 mg/kg _{bw} /day	-	0.006911

10.98 Scenario 98: Professional Use of Laundry products Laundry aid (non-gasing); Manual process

The following RCR calculations refer to the contributing scenarios described in chapter 9.98

10.98.1 Contributing Scenario (1) controlling environmental exposure for ERC8A

Professional Use of Laundry products Laundry aid (non-gasing); Manual process

The quantitative risk characterisation for this environmental exposure has been calculated using EasyTRA.

The environmental exposure calculation per compartment is based on the algorithms of the EU TGD 2003 Risk Assessment Spreadsheet Model 1.24a.

10.98.1.1 Aquatic compartment (including sediment)

Compartments	PEC	PNEC	RCR = PEC/PNEC
Freshwater	0.00315 mg/L	0.100 mg/L	0.031497
Freshwater sediment	0.018656 mg/kg _{dwt}	0.292 mg/kg _{dwt}	0.06389
Marine water	0.000303 mg/L	0.010 mg/L	0.03033
Marine water sediment	0.001796 mg/kg _{dwt}	0.0292 mg/kg _{dwt}	0.061521

10.98.1.2 Terrestrial compartment

Compartments	PEC	PNEC	RCR = PEC/PNEC
Agricultural soil	0.000191 mg/kg _{dwt}	13.1 mg/kg _{dwt}	0.000015
Grassland	0.00004 mg/kg _{dwt}	13.1 mg/kg _{dwt}	3.07E-6

10.98.1.3 Microbiological activity in sewage treatment systems

Compartments	PEC	PNEC	RCR = PEC/PNEC
STP	0.00062 mg/L	50 mg/L	0.000012

10.98.1.4 Secondary poisoning / Man via environment

Secondary poisoning considers indirect exposure of man via foods, air and drinking water. The following table shows the calculated exposure to the substance from exemplary food sources at different trophic levels together with the total exposure over all routes and food sources.

Food source	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
Fish	7.15E-6 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-7
Root crop	3.33E-7 mg/kg _{bw} /day	10 mg/kg _{bw} /day	3.33E-8
Leaf crop	0.00001 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.00E-6
Milk	1.33E-8 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.33E-9
Meat	7.15E-10 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-11
Drinking water	0.000088 mg/kg _{bw} /day	10 mg/kg _{bw} /day	8.82E-6
inhalation	2.57E-11 mg/kg _{bw} /day	10 mg/kg _{bw} /day	2.57E-12
Total	0.000011 mg/kg _{bw} /day	10 mg/kg _{bw} /day	0.000011

10.98.2 Contributing Scenario (2) controlling professional worker exposure for PROC 8A

Professional Use of Laundry products Laundry aid (non-gasing); Manual process

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	0.137143 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.002743
inhalation	0.375 mg/m ³	350 mg/m ³	0.001071
Combined routes	0.190714 mg/kg _{bw} /day	-	0.003814

10.98.3 Contributing Scenario (3) controlling professional worker exposure for PROC 1

Professional Use of Laundry products Laundry aid (non-gasing); Manual process

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	0.342857 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.006857
inhalation	0.01875 mg/m ³	350 mg/m ³	0.000054
Combined routes	0.345536 mg/kg _{bw} /day	-	0.006911

10.99 Scenario 99: Professional Use of Laundry products Laundry aid (non-gasing); Semi automatic process

The following RCR calculations refer to the contributing scenarios described in chapter 9.99

10.99.1 Contributing Scenario (1) controlling environmental exposure for ERC8A

Professional Use of Laundry products Laundry aid (non-gasing); Semi automatic process

The quantitative risk characterisation for this environmental exposure has been calculated using EasyTRA.

The environmental exposure calculation per compartment is based on the algorithms of the EU TGD 2003 Risk Assessment Spreadsheet Model 1.24a.

10.99.1.1 Aquatic compartment (including sediment)

Compartments	PEC	PNEC	RCR = PEC/PNEC
Freshwater	0.00315 mg/L	0.100 mg/L	0.031497
Freshwater sediment	0.018656 mg/kg _{dwt}	0.292 mg/kg _{dwt}	0.06389
Marine water	0.000303 mg/L	0.010 mg/L	0.03033
Marine water sediment	0.001796 mg/kg _{dwt}	0.0292 mg/kg _{dwt}	0.061521

10.99.1.2 Terrestrial compartment

Compartments	PEC	PNEC	RCR = PEC/PNEC
Agricultural soil	0.000191 mg/kg _{dwt}	13.1 mg/kg _{dwt}	0.000015
Grassland	0.00004 mg/kg _{dwt}	13.1 mg/kg _{dwt}	3.07E-6

10.99.1.3 Microbiological activity in sewage treatment systems

Compartments	PEC	PNEC	RCR = PEC/PNEC
STP	0.00062 mg/L	50 mg/L	0.000012

10.99.1.4 Secondary poisoning / Man via environment

Secondary poisoning considers indirect exposure of man via foods, air and drinking water. The following table shows the calculated exposure to the substance from exemplary food sources at different trophic levels together with the total exposure over all routes and food sources.

Food source	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
Fish	7.15E-6 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-7
Root crop	3.33E-7 mg/kg _{bw} /day	10 mg/kg _{bw} /day	3.33E-8
Leaf crop	0.00001 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.00E-6
Milk	1.33E-8 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.33E-9
Meat	7.15E-10 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-11
Drinking water	0.000088 mg/kg _{bw} /day	10 mg/kg _{bw} /day	8.82E-6
inhalation	2.57E-11 mg/kg _{bw} /day	10 mg/kg _{bw} /day	2.57E-12
Total	0.000011 mg/kg _{bw} /day	10 mg/kg _{bw} /day	0.000011

10.99.2 Contributing Scenario (2) controlling professional worker exposure for

PROC 8A

Professional Use of Laundry products Laundry aid (non-gasing); Semi automatic process

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	0.137143 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.002743
inhalation	0.375 mg/m ³	350 mg/m ³	0.001071
Combined routes	0.190714 mg/kg _{bw} /day	-	0.003814

10.99.3 Contributing Scenario (3) controlling professional worker exposure for PROC 1

Professional Use of Laundry products Laundry aid (non-gasing); Semi automatic process

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	0.342857 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.006857
inhalation	0.01875 mg/m ³	350 mg/m ³	0.000054
Combined routes	0.345536 mg/kg _{bw} /day	-	0.006911

10.100 Scenario 100: Professional Use of Laundry products Laundry detergent; Manual process (TST4)

The following RCR calculations refer to the contributing scenarios described in chapter 9.100

10.100.1 Contributing Scenario (1) controlling environmental exposure for ERC8A

Professional Use of Laundry products Laundry detergent; Manual process (TST4)

The quantitative risk characterisation for this environmental exposure has been calculated using EasyTRA.

The environmental exposure calculation per compartment is based on the algorithms of the EU TGD 2003 Risk Assessment Spreadsheet Model 1.24a.

10.100.1.1 Aquatic compartment (including sediment)

Compartments	PEC	PNEC	RCR = PEC/PNEC
Freshwater	0.00315 mg/L	0.100 mg/L	0.031497
Freshwater sediment	0.018656 mg/kg _{dwt}	0.292 mg/kg _{dwt}	0.06389
Marine water	0.000303 mg/L	0.010 mg/L	0.03033
Marine water sediment	0.001796 mg/kg _{dwt}	0.0292 mg/kg _{dwt}	0.061521

10.100.1.2 Terrestrial compartment

Compartments	PEC	PNEC	RCR = PEC/PNEC
Agricultural soil	0.000191 mg/kg _{dwt}	13.1 mg/kg _{dwt}	0.000015
Grassland	0.00004 mg/kg _{dwt}	13.1 mg/kg _{dwt}	3.07E-6

10.100.1.3 Microbiological activity in sewage treatment systems

Compartments	PEC	PNEC	RCR = PEC/PNEC
STP	0.00062 mg/L	50 mg/L	0.000012

10.100.1.4 Secondary poisoning / Man via environment

Secondary poisoning considers indirect exposure of man via foods, air and drinking water. The following table shows the calculated exposure to the substance from exemplary food sources at different trophic levels together with the total exposure over all routes and food sources.

Food source	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
Fish	7.15E-6 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-7
Root crop	3.33E-7 mg/kg _{bw} /day	10 mg/kg _{bw} /day	3.33E-8
Leaf crop	0.00001 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.00E-6
Milk	1.33E-8 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.33E-9
Meat	7.15E-10 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-11

Food source	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
Drinking water	0.000088 mg/kg _{bw} /day	10 mg/kg _{bw} /day	8.82E-6
inhalation	2.57E-11 mg/kg _{bw} /day	10 mg/kg _{bw} /day	2.57E-12
Total	0.000011 mg/kg _{bw} /day	10 mg/kg _{bw} /day	0.000011

10.100.2 Contributing Scenario (2) controlling professional worker exposure for PROC 8A

Professional Use of Laundry products Laundry detergent; Manual process (TST4)

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	0.137143 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.002743
inhalation	0.375 mg/m ³	350 mg/m ³	0.001071
Combined routes	0.190714 mg/kg _{bw} /day	-	0.003814

10.100.3 Contributing Scenario (3) controlling professional worker exposure for PROC 1

Professional Use of Laundry products Laundry detergent; Manual process (TST4)

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	0.342857 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.006857
inhalation	0.01875 mg/m ³	350 mg/m ³	0.000054
Combined routes	0.345536	-	0.006911

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
	mg/kg _{bw} /day		

10.101 Scenario 101: Professional Use of Laundry products Laundry detergent; Semi automatic process (TST3)

The following RCR calculations refer to the contributing scenarios described in chapter 9.101

10.101.1 Contributing Scenario (1) controlling environmental exposure for ERC8A

Professional Use of Laundry products Laundry detergent; Semi automatic process (TST3)

The quantitative risk characterisation for this environmental exposure has been calculated using EasyTRA.

The environmental exposure calculation per compartment is based on the algorithms of the EU TGD 2003 Risk Assessment Spreadsheet Model 1.24a.

10.101.1.1 Aquatic compartment (including sediment)

Compartments	PEC	PNEC	RCR = PEC/PNEC
Freshwater	0.00315 mg/L	0.100 mg/L	0.031497
Freshwater sediment	0.018656 mg/kg _{dwt}	0.292 mg/kg _{dwt}	0.06389
Marine water	0.000303 mg/L	0.010 mg/L	0.03033
Marine water sediment	0.001796 mg/kg _{dwt}	0.0292 mg/kg _{dwt}	0.061521

10.101.1.2 Terrestrial compartment

Compartments	PEC	PNEC	RCR = PEC/PNEC
Agricultural soil	0.000191 mg/kg _{dwt}	13.1 mg/kg _{dwt}	0.000015
Grassland	0.00004 mg/kg _{dwt}	13.1 mg/kg _{dwt}	3.07E-6

10.101.1.3 Microbiological activity in sewage treatment systems

Compartments	PEC	PNEC	RCR = PEC/PNEC
STP	0.00062 mg/L	50 mg/L	0.000012

10.101.1.4 Secondary poisoning / Man via environment

Secondary poisoning considers indirect exposure of man via foods, air and drinking

water. The following table shows the calculated exposure to the substance from exemplary food sources at different trophic levels together with the total exposure over all routes and food sources.

Food source	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
Fish	7.15E-6 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-7
Root crop	3.33E-7 mg/kg _{bw} /day	10 mg/kg _{bw} /day	3.33E-8
Leaf crop	0.00001 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.00E-6
Milk	1.33E-8 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.33E-9
Meat	7.15E-10 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-11
Drinking water	0.000088 mg/kg _{bw} /day	10 mg/kg _{bw} /day	8.82E-6
inhalation	2.57E-11 mg/kg _{bw} /day	10 mg/kg _{bw} /day	2.57E-12
Total	0.000011 mg/kg _{bw} /day	10 mg/kg _{bw} /day	0.000011

10.101.2 Contributing Scenario (2) controlling professional worker exposure for PROC 8A

Professional Use of Laundry products Laundry detergent; Semi automatic process (TST3)

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	0.137143 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.002743
inhalation	0.375 mg/m ³	350 mg/m ³	0.001071
Combined routes	0.190714 mg/kg _{bw} /day	-	0.003814

10.101.3 Contributing Scenario (3) controlling professional worker exposure for PROC 1

Professional Use of Laundry products Laundry detergent; Semi automatic process (TST3)

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	0.342857 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.006857
inhalation	0.01875 mg/m ³	350 mg/m ³	0.000054
Combined routes	0.345536 mg/kg _{bw} /day	-	0.006911

10.102 Scenario 102: Professional Use of Laundry products Prespotter/Stain remover; Manual process

The following RCR calculations refer to the contributing scenarios described in chapter 9.102

10.102.1 Contributing Scenario (1) controlling environmental exposure for ERC8A

Professional Use of Laundry products Prespotter/Stain remover; Manual process

The quantitative risk characterisation for this environmental exposure has been calculated using EasyTRA.

The environmental exposure calculation per compartment is based on the algorithms of the EU TGD 2003 Risk Assessment Spreadsheet Model 1.24a.

10.102.1.1 Aquatic compartment (including sediment)

Compartments	PEC	PNEC	RCR = PEC/PNEC
Freshwater	0.00315 mg/L	0.100 mg/L	0.031497
Freshwater sediment	0.018656 mg/kg _{dwt}	0.292 mg/kg _{dwt}	0.06389
Marine water	0.000303 mg/L	0.010 mg/L	0.03033
Marine water sediment	0.001796 mg/kg _{dwt}	0.0292 mg/kg _{dwt}	0.061521

10.102.1.2 Terrestrial compartment

Compartments	PEC	PNEC	RCR = PEC/PNEC
Agricultural soil	0.000191 mg/kg _{dwt}	13.1 mg/kg _{dwt}	0.000015
Grassland	0.00004 mg/kg _{dwt}	13.1 mg/kg _{dwt}	3.07E-6

10.102.1.3 Microbiological activity in sewage treatment systems

Compartments	PEC	PNEC	RCR = PEC/PNEC
STP	0.00062 mg/L	50 mg/L	0.000012

10.102.1.4 Secondary poisoning / Man via environment

Secondary poisoning considers indirect exposure of man via foods, air and drinking water. The following table shows the calculated exposure to the substance from exemplary food sources at different trophic levels together with the total exposure over all routes and food sources.

Food source	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
Fish	7.15E-6 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-7
Root crop	3.33E-7 mg/kg _{bw} /day	10 mg/kg _{bw} /day	3.33E-8
Leaf crop	0.00001 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.00E-6
Milk	1.33E-8 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.33E-9
Meat	7.15E-10 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-11
Drinking water	0.000088 mg/kg _{bw} /day	10 mg/kg _{bw} /day	8.82E-6
inhalation	2.57E-11 mg/kg _{bw} /day	10 mg/kg _{bw} /day	2.57E-12
Total	0.000011 mg/kg _{bw} /day	10 mg/kg _{bw} /day	0.000011

10.103 Scenario 103: Professional Use of Maintenance Products Drain cleaner; Manual process

The following RCR calculations refer to the contributing scenarios described in chapter 9.103

10.103.1 Contributing Scenario (1) controlling environmental exposure for ERC8A

Professional Use of Maintenance Products Drain cleaner; Manual process

The quantitative risk characterisation for this environmental exposure has been calculated using EasyTRA.

The environmental exposure calculation per compartment is based on the algorithms of the EU TGD 2003 Risk Assessment Spreadsheet Model 1.24a.

10.103.1.1 Aquatic compartment (including sediment)

Compartments	PEC	PNEC	RCR = PEC/PNEC
Freshwater	0.00315 mg/L	0.100 mg/L	0.031497
Freshwater sediment	0.018656 mg/kg _{dwt}	0.292 mg/kg _{dwt}	0.06389
Marine water	0.000303 mg/L	0.010 mg/L	0.03033
Marine water sediment	0.001796 mg/kg _{dwt}	0.0292 mg/kg _{dwt}	0.061521

10.103.1.2 Terrestrial compartment

Compartments	PEC	PNEC	RCR = PEC/PNEC
Agricultural soil	0.000191 mg/kg _{dwt}	13.1 mg/kg _{dwt}	0.000015
Grassland	0.00004 mg/kg _{dwt}	13.1 mg/kg _{dwt}	3.07E-6

10.103.1.3 Microbiological activity in sewage treatment systems

Compartments	PEC	PNEC	RCR = PEC/PNEC
STP	0.00062 mg/L	50 mg/L	0.000012

10.103.1.4 Secondary poisoning / Man via environment

Secondary poisoning considers indirect exposure of man via foods, air and drinking water. The following table shows the calculated exposure to the substance from exemplary food sources at different trophic levels together with the total exposure over all routes and food sources.

Food source	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
Fish	7.15E-6 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-7
Root crop	3.33E-7 mg/kg _{bw} /day	10 mg/kg _{bw} /day	3.33E-8
Leaf crop	0.00001 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.00E-6
Milk	1.33E-8 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.33E-9
Meat	7.15E-10 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-11
Drinking water	0.000088 mg/kg _{bw} /day	10 mg/kg _{bw} /day	8.82E-6
inhalation	2.57E-11 mg/kg _{bw} /day	10 mg/kg _{bw} /day	2.57E-12
Total	0.000011 mg/kg _{bw} /day	10 mg/kg _{bw} /day	0.000011

10.103.2 Contributing Scenario (2) controlling professional worker exposure for

PROC 8A

Professional Use of Maintenance Products Drain cleaner; Manual process

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	13.714 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.274286
inhalation	0.1875 mg/m ³	350 mg/m ³	0.000536
Combined routes	13.741 mg/kg _{bw} /day	-	0.274821

10.104 Scenario 104: Professional Use of Maintenance Products Drain unblocker; Manual process

The following RCR calculations refer to the contributing scenarios described in chapter 9.104

10.104.1 Contributing Scenario (1) controlling environmental exposure for ERC8A

Professional Use of Maintenance Products Drain unblocker; Manual process

The quantitative risk characterisation for this environmental exposure has been calculated using EasyTRA.

The environmental exposure calculation per compartment is based on the algorithms of the EU TGD 2003 Risk Assessment Spreadsheet Model 1.24a.

10.104.1.1 Aquatic compartment (including sediment)

Compartments	PEC	PNEC	RCR = PEC/PNEC
Freshwater	0.00315 mg/L	0.100 mg/L	0.031497
Freshwater sediment	0.018656 mg/kg _{dwt}	0.292 mg/kg _{dwt}	0.06389
Marine water	0.000303 mg/L	0.010 mg/L	0.03033
Marine water sediment	0.001796 mg/kg _{dwt}	0.0292 mg/kg _{dwt}	0.061521

10.104.1.2 Terrestrial compartment

Compartments	PEC	PNEC	RCR = PEC/PNEC
Agricultural soil	0.000191 mg/kg _{dwt}	13.1 mg/kg _{dwt}	0.000015
Grassland	0.00004 mg/kg _{dwt}	13.1 mg/kg _{dwt}	3.07E-6

10.104.1.3 Microbiological activity in sewage treatment systems

Compartments	PEC	PNEC	RCR = PEC/PNEC
STP	0.00062 mg/L	50 mg/L	0.000012

10.104.1.4 Secondary poisoning / Man via environment

Secondary poisoning considers indirect exposure of man via foods, air and drinking water. The following table shows the calculated exposure to the substance from exemplary food sources at different trophic levels together with the total exposure over all routes and food sources.

Food source	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
Fish	7.15E-6 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-7
Root crop	3.33E-7 mg/kg _{bw} /day	10 mg/kg _{bw} /day	3.33E-8
Leaf crop	0.00001 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.00E-6
Milk	1.33E-8 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.33E-9
Meat	7.15E-10 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-11
Drinking water	0.000088 mg/kg _{bw} /day	10 mg/kg _{bw} /day	8.82E-6
inhalation	2.57E-11 mg/kg _{bw} /day	10 mg/kg _{bw} /day	2.57E-12
Total	0.000011 mg/kg _{bw} /day	10 mg/kg _{bw} /day	0.000011

10.104.2 Contributing Scenario (2) controlling professional worker exposure for PROC 8A

Professional Use of Maintenance Products Drain unblocker; Manual process

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	0.137143 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.002743
inhalation	0.1875 mg/m ³	350 mg/m ³	0.000536

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
Combined routes	0.163929 mg/kg _{bw} /day	-	0.003279

10.105 Scenario 105: Professional Use of Maintenance Products Furniture care product; Manual process

The following RCR calculations refer to the contributing scenarios described in chapter 9.105

10.105.1 Contributing Scenario (1) controlling environmental exposure for ERC8A

Professional Use of Maintenance Products Furniture care product; Manual process

The quantitative risk characterisation for this environmental exposure has been calculated using EasyTRA.

The environmental exposure calculation per compartment is based on the algorithms of the EU TGD 2003 Risk Assessment Spreadsheet Model 1.24a.

10.105.1.1 Aquatic compartment (including sediment)

Compartments	PEC	PNEC	RCR = PEC/PNEC
Freshwater	0.00315 mg/L	0.100 mg/L	0.031497
Freshwater sediment	0.018656 mg/kg _{dwt}	0.292 mg/kg _{dwt}	0.06389
Marine water	0.000303 mg/L	0.010 mg/L	0.03033
Marine water sediment	0.001796 mg/kg _{dwt}	0.0292 mg/kg _{dwt}	0.061521

10.105.1.2 Terrestrial compartment

Compartments	PEC	PNEC	RCR = PEC/PNEC
Agricultural soil	0.000191 mg/kg _{dwt}	13.1 mg/kg _{dwt}	0.000015
Grassland	0.00004 mg/kg _{dwt}	13.1 mg/kg _{dwt}	3.07E-6

10.105.1.3 Microbiological activity in sewage treatment systems

Compartments	PEC	PNEC	RCR = PEC/PNEC
STP	0.00062 mg/L	50 mg/L	0.000012

10.105.1.4 Secondary poisoning / Man via environment

Secondary poisoning considers indirect exposure of man via foods, air and drinking

water. The following table shows the calculated exposure to the substance from exemplary food sources at different trophic levels together with the total exposure over all routes and food sources.

Food source	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
Fish	7.15E-6 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-7
Root crop	3.33E-7 mg/kg _{bw} /day	10 mg/kg _{bw} /day	3.33E-8
Leaf crop	0.00001 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.00E-6
Milk	1.33E-8 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.33E-9
Meat	7.15E-10 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-11
Drinking water	0.000088 mg/kg _{bw} /day	10 mg/kg _{bw} /day	8.82E-6
inhalation	2.57E-11 mg/kg _{bw} /day	10 mg/kg _{bw} /day	2.57E-12
Total	0.000011 mg/kg _{bw} /day	10 mg/kg _{bw} /day	0.000011

10.105.2 Contributing Scenario (2) controlling professional worker exposure for PROC 10

Professional Use of Maintenance Products Furniture care product; Manual process

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	27.429 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.548571
inhalation	1.125 mg/m ³	350 mg/m ³	0.003214
Combined routes	27.589 mg/kg _{bw} /day	-	0.551786

10.106 Scenario 106: Professional Use of Maintenance Products Furniture care product; Spray and wipe manual process

The following RCR calculations refer to the contributing scenarios described in chapter 9.106

10.106.1 Contributing Scenario (1) controlling environmental exposure for ERC8A

Professional Use of Maintenance Products Furniture care product; Spray and wipe manual process

The quantitative risk characterisation for this environmental exposure has been calculated using EasyTRA.

The environmental exposure calculation per compartment is based on the algorithms of the EU TGD 2003 Risk Assessment Spreadsheet Model 1.24a.

10.106.1.1 Aquatic compartment (including sediment)

Compartments	PEC	PNEC	RCR = PEC/PNEC
Freshwater	0.00315 mg/L	0.100 mg/L	0.031497
Freshwater sediment	0.018656 mg/kg _{dwt}	0.292 mg/kg _{dwt}	0.06389
Marine water	0.000303 mg/L	0.010 mg/L	0.03033
Marine water sediment	0.001796 mg/kg _{dwt}	0.0292 mg/kg _{dwt}	0.061521

10.106.1.2 Terrestrial compartment

Compartments	PEC	PNEC	RCR = PEC/PNEC
Agricultural soil	0.000191 mg/kg _{dwt}	13.1 mg/kg _{dwt}	0.000015
Grassland	0.00004 mg/kg _{dwt}	13.1 mg/kg _{dwt}	3.07E-6

10.106.1.3 Microbiological activity in sewage treatment systems

Compartments	PEC	PNEC	RCR = PEC/PNEC
STP	0.00062 mg/L	50 mg/L	0.000012

10.106.1.4 Secondary poisoning / Man via environment

Secondary poisoning considers indirect exposure of man via foods, air and drinking water. The following table shows the calculated exposure to the substance from exemplary food sources at different trophic levels together with the total exposure over all routes and food sources.

Food source	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
Fish	7.15E-6 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-7
Root crop	3.33E-7 mg/kg _{bw} /day	10 mg/kg _{bw} /day	3.33E-8
Leaf crop	0.00001 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.00E-6
Milk	1.33E-8 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.33E-9
Meat	7.15E-10	10 mg/kg _{bw} /day	7.15E-11

Food source	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
	mg/kg _{bw} /day		
Drinking water	0.000088 mg/kg _{bw} /day	10 mg/kg _{bw} /day	8.82E-6
inhalation	2.57E-11 mg/kg _{bw} /day	10 mg/kg _{bw} /day	2.57E-12
Total	0.000011 mg/kg _{bw} /day	10 mg/kg _{bw} /day	0.000011

10.107 Scenario 107: Professional Use of Maintenance Products Leather care product; Automatic process

The following RCR calculations refer to the contributing scenarios described in chapter 9.107

10.107.1 Contributing Scenario (1) controlling environmental exposure for ERC8A

Professional Use of Maintenance Products Leather care product; Automatic process

The quantitative risk characterisation for this environmental exposure has been calculated using EasyTRA.

The environmental exposure calculation per compartment is based on the algorithms of the EU TGD 2003 Risk Assessment Spreadsheet Model 1.24a.

10.107.1.1 Aquatic compartment (including sediment)

Compartments	PEC	PNEC	RCR = PEC/PNEC
Freshwater	0.00315 mg/L	0.100 mg/L	0.031497
Freshwater sediment	0.018656 mg/kg _{dwt}	0.292 mg/kg _{dwt}	0.06389
Marine water	0.000303 mg/L	0.010 mg/L	0.03033
Marine water sediment	0.001796 mg/kg _{dwt}	0.0292 mg/kg _{dwt}	0.061521

10.107.1.2 Terrestrial compartment

Compartments	PEC	PNEC	RCR = PEC/PNEC
Agricultural soil	0.000191 mg/kg _{dwt}	13.1 mg/kg _{dwt}	0.000015
Grassland	0.00004 mg/kg _{dwt}	13.1 mg/kg _{dwt}	3.07E-6

10.107.1.3 Microbiological activity in sewage treatment systems

Compartments	PEC	PNEC	RCR = PEC/PNEC
STP	0.00062 mg/L	50 mg/L	0.000012

10.107.1.4 Secondary poisoning / Man via environment

Secondary poisoning considers indirect exposure of man via foods, air and drinking water. The following table shows the calculated exposure to the substance from exemplary food sources at different trophic levels together with the total exposure over all routes and food sources.

Food source	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
Fish	7.15E-6 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-7
Root crop	3.33E-7 mg/kg _{bw} /day	10 mg/kg _{bw} /day	3.33E-8
Leaf crop	0.00001 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.00E-6
Milk	1.33E-8 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.33E-9
Meat	7.15E-10 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-11
Drinking water	0.000088 mg/kg _{bw} /day	10 mg/kg _{bw} /day	8.82E-6
inhalation	2.57E-11 mg/kg _{bw} /day	10 mg/kg _{bw} /day	2.57E-12
Total	0.000011 mg/kg _{bw} /day	10 mg/kg _{bw} /day	0.000011

10.107.2 Contributing Scenario (2) controlling professional worker exposure for PROC 2

Professional Use of Maintenance Products Leather care product; Automatic process

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	1.371 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.027429
inhalation	0.1875 mg/m ³	350 mg/m ³	0.000536
Combined routes	1.398 mg/kg _{bw} /day	-	0.027964

10.107.3 Contributing Scenario (3) controlling professional worker exposure for PROC 8A

Professional Use of Maintenance Products Leather care product; Automatic process

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	13.714 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.274286
inhalation	0.1875 mg/m ³	350 mg/m ³	0.000536
Combined routes	13.741 mg/kg _{bw} /day	-	0.274821

10.108 Scenario 108: Professional Use of Maintenance Products Leather care product; Manual process

The following RCR calculations refer to the contributing scenarios described in chapter 9.108

10.108.1 Contributing Scenario (1) controlling environmental exposure for ERC8A

Professional Use of Maintenance Products Leather care product; Manual process

The quantitative risk characterisation for this environmental exposure has been calculated using EasyTRA.

The environmental exposure calculation per compartment is based on the algorithms of the EU TGD 2003 Risk Assessment Spreadsheet Model 1.24a.

10.108.1.1 Aquatic compartment (including sediment)

Compartments	PEC	PNEC	RCR = PEC/PNEC
Freshwater	0.00315 mg/L	0.100 mg/L	0.031497
Freshwater sediment	0.018656 mg/kg _{dwt}	0.292 mg/kg _{dwt}	0.06389
Marine water	0.000303 mg/L	0.010 mg/L	0.03033
Marine water sediment	0.001796 mg/kg _{dwt}	0.0292 mg/kg _{dwt}	0.061521

10.108.1.2 Terrestrial compartment

Compartments	PEC	PNEC	RCR = PEC/PNEC
Agricultural soil	0.000191 mg/kg _{dwt}	13.1 mg/kg _{dwt}	0.000015
Grassland	0.00004 mg/kg _{dwt}	13.1 mg/kg _{dwt}	3.07E-6

10.108.1.3 Microbiological activity in sewage treatment systems

Compartments	PEC	PNEC	RCR = PEC/PNEC
STP	0.00062 mg/L	50 mg/L	0.000012

10.108.1.4 Secondary poisoning / Man via environment

Secondary poisoning considers indirect exposure of man via foods, air and drinking water. The following table shows the calculated exposure to the substance from exemplary food sources at different trophic levels together with the total exposure over all routes and food sources.

Food source	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
Fish	7.15E-6 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-7
Root crop	3.33E-7 mg/kg _{bw} /day	10 mg/kg _{bw} /day	3.33E-8
Leaf crop	0.00001 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.00E-6
Milk	1.33E-8 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.33E-9
Meat	7.15E-10 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-11
Drinking water	0.000088 mg/kg _{bw} /day	10 mg/kg _{bw} /day	8.82E-6
inhalation	2.57E-11 mg/kg _{bw} /day	10 mg/kg _{bw} /day	2.57E-12
Total	0.000011 mg/kg _{bw} /day	10 mg/kg _{bw} /day	0.000011

10.108.2 Contributing Scenario (2) controlling professional worker exposure for PROC 10

Professional Use of Maintenance Products Leather care product; Manual process

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	27.429 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.548571
inhalation	1.125 mg/m ³	350 mg/m ³	0.003214
Combined routes	27.589 mg/kg _{bw} /day	-	0.551786

10.109 Scenario 109: Professional Use of Maintenance Products Leather care product; Spray and wipe manual process

The following RCR calculations refer to the contributing scenarios described in chapter 9.109

10.109.1 Contributing Scenario (1) controlling environmental exposure for ERC8A

Professional Use of Maintenance Products Leather care product; Spray and wipe manual process

The quantitative risk characterisation for this environmental exposure has been calculated using EasyTRA.

The environmental exposure calculation per compartment is based on the algorithms of the EU TGD 2003 Risk Assessment Spreadsheet Model 1.24a.

10.109.1.1 Aquatic compartment (including sediment)

Compartments	PEC	PNEC	RCR = PEC/PNEC
Freshwater	0.00315 mg/L	0.100 mg/L	0.031497
Freshwater sediment	0.018656 mg/kg _{dwt}	0.292 mg/kg _{dwt}	0.06389
Marine water	0.000303 mg/L	0.010 mg/L	0.03033
Marine water sediment	0.001796 mg/kg _{dwt}	0.0292 mg/kg _{dwt}	0.061521

10.109.1.2 Terrestrial compartment

Compartments	PEC	PNEC	RCR = PEC/PNEC
Agricultural soil	0.000191 mg/kg _{dwt}	13.1 mg/kg _{dwt}	0.000015
Grassland	0.00004 mg/kg _{dwt}	13.1 mg/kg _{dwt}	3.07E-6

10.109.1.3 Microbiological activity in sewage treatment systems

Compartments	PEC	PNEC	RCR = PEC/PNEC
STP	0.00062 mg/L	50 mg/L	0.000012

10.109.1.4 Secondary poisoning / Man via environment

Secondary poisoning considers indirect exposure of man via foods, air and drinking water. The following table shows the calculated exposure to the substance from exemplary food sources at different trophic levels together with the total exposure over all routes and food sources.

Food source	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
Fish	7.15E-6 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-7
Root crop	3.33E-7 mg/kg _{bw} /day	10 mg/kg _{bw} /day	3.33E-8
Leaf crop	0.00001 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.00E-6
Milk	1.33E-8 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.33E-9
Meat	7.15E-10 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-11
Drinking water	0.000088 mg/kg _{bw} /day	10 mg/kg _{bw} /day	8.82E-6
inhalation	2.57E-11 mg/kg _{bw} /day	10 mg/kg _{bw} /day	2.57E-12
Total	0.000011 mg/kg _{bw} /day	10 mg/kg _{bw} /day	0.000011

10.110 Scenario 110: Professional Use of Maintenance Products Stainless steel care; Manual process

The following RCR calculations refer to the contributing scenarios described in chapter 9.110

10.110.1 Contributing Scenario (1) controlling environmental exposure for ERC8A

Professional Use of Maintenance Products Stainless steel care; Manual process

The quantitative risk characterisation for this environmental exposure has been calculated using EasyTRA.

The environmental exposure calculation per compartment is based on the algorithms of the EU TGD 2003 Risk Assessment Spreadsheet Model 1.24a.

10.110.1.1 Aquatic compartment (including sediment)

Compartments	PEC	PNEC	RCR = PEC/PNEC
Freshwater	0.00315 mg/L	0.100 mg/L	0.031497
Freshwater sediment	0.018656 mg/kg _{dwt}	0.292 mg/kg _{dwt}	0.06389
Marine water	0.000303 mg/L	0.010 mg/L	0.03033
Marine water sediment	0.001796 mg/kg _{dwt}	0.0292 mg/kg _{dwt}	0.061521

10.110.1.2 Terrestrial compartment

Compartments	PEC	PNEC	RCR = PEC/PNEC
Agricultural soil	0.000191 mg/kg _{dwt}	13.1 mg/kg _{dwt}	0.000015
Grassland	0.00004 mg/kg _{dwt}	13.1 mg/kg _{dwt}	3.07E-6

10.110.1.3 Microbiological activity in sewage treatment systems

Compartments	PEC	PNEC	RCR = PEC/PNEC
STP	0.00062 mg/L	50 mg/L	0.000012

10.110.1.4 Secondary poisoning / Man via environment

Secondary poisoning considers indirect exposure of man via foods, air and drinking water. The following table shows the calculated exposure to the substance from exemplary food sources at different trophic levels together with the total exposure over all routes and food sources.

Food source	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
Fish	7.15E-6 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-7
Root crop	3.33E-7 mg/kg _{bw} /day	10 mg/kg _{bw} /day	3.33E-8
Leaf crop	0.00001 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.00E-6
Milk	1.33E-8 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.33E-9
Meat	7.15E-10 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-11
Drinking water	0.000088 mg/kg _{bw} /day	10 mg/kg _{bw} /day	8.82E-6
inhalation	2.57E-11 mg/kg _{bw} /day	10 mg/kg _{bw} /day	2.57E-12
Total	0.000011 mg/kg _{bw} /day	10 mg/kg _{bw} /day	0.000011

10.110.2 Contributing Scenario (2) controlling professional worker exposure for PROC 10

Professional Use of Maintenance Products Stainless steel care; Manual process

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	27.429 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.548571
inhalation	1.125 mg/m ³	350 mg/m ³	0.003214

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
Combined routes	27.589 mg/kg _{bw} /day	-	0.551786

10.111 Scenario 111: Professional Use of Maintenance Products Stainless steel care; Spray and wipe manual process

The following RCR calculations refer to the contributing scenarios described in chapter 9.111

10.111.1 Contributing Scenario (1) controlling environmental exposure for ERC8A

Professional Use of Maintenance Products Stainless steel care; Spray and wipe manual process

The quantitative risk characterisation for this environmental exposure has been calculated using EasyTRA.

The environmental exposure calculation per compartment is based on the algorithms of the EU TGD 2003 Risk Assessment Spreadsheet Model 1.24a.

10.111.1.1 Aquatic compartment (including sediment)

Compartments	PEC	PNEC	RCR = PEC/PNEC
Freshwater	0.00315 mg/L	0.100 mg/L	0.031497
Freshwater sediment	0.018656 mg/kg _{dwt}	0.292 mg/kg _{dwt}	0.06389
Marine water	0.000303 mg/L	0.010 mg/L	0.03033
Marine water sediment	0.001796 mg/kg _{dwt}	0.0292 mg/kg _{dwt}	0.061521

10.111.1.2 Terrestrial compartment

Compartments	PEC	PNEC	RCR = PEC/PNEC
Agricultural soil	0.000191 mg/kg _{dwt}	13.1 mg/kg _{dwt}	0.000015
Grassland	0.00004 mg/kg _{dwt}	13.1 mg/kg _{dwt}	3.07E-6

10.111.1.3 Microbiological activity in sewage treatment systems

Compartments	PEC	PNEC	RCR = PEC/PNEC
STP	0.00062 mg/L	50 mg/L	0.000012

10.111.1.4 Secondary poisoning / Man via environment

Secondary poisoning considers indirect exposure of man via foods, air and drinking

water. The following table shows the calculated exposure to the substance from exemplary food sources at different trophic levels together with the total exposure over all routes and food sources.

Food source	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
Fish	7.15E-6 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-7
Root crop	3.33E-7 mg/kg _{bw} /day	10 mg/kg _{bw} /day	3.33E-8
Leaf crop	0.00001 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.00E-6
Milk	1.33E-8 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.33E-9
Meat	7.15E-10 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-11
Drinking water	0.000088 mg/kg _{bw} /day	10 mg/kg _{bw} /day	8.82E-6
inhalation	2.57E-11 mg/kg _{bw} /day	10 mg/kg _{bw} /day	2.57E-12
Total	0.000011 mg/kg _{bw} /day	10 mg/kg _{bw} /day	0.000011

10.112 Scenario 112: Professional Use of Medical Devices Medical devices ; Dipping process

The following RCR calculations refer to the contributing scenarios described in chapter 9.112

10.112.1 Contributing Scenario (1) controlling environmental exposure for ERC8A

Professional Use of Medical Devices Medical devices ; Dipping process

The quantitative risk characterisation for this environmental exposure has been calculated using EasyTRA.

The environmental exposure calculation per compartment is based on the algorithms of the EU TGD 2003 Risk Assessment Spreadsheet Model 1.24a.

10.112.1.1 Aquatic compartment (including sediment)

Compartments	PEC	PNEC	RCR = PEC/PNEC
Freshwater	0.00315 mg/L	0.100 mg/L	0.031497
Freshwater sediment	0.018656 mg/kg _{dwt}	0.292 mg/kg _{dwt}	0.06389
Marine water	0.000303 mg/L	0.010 mg/L	0.03033
Marine water sediment	0.001796 mg/kg _{dwt}	0.0292 mg/kg _{dwt}	0.061521

10.112.1.2 Terrestrial compartment

Compartments	PEC	PNEC	RCR = PEC/PNEC
Agricultural soil	0.000191 mg/kg _{dwt}	13.1 mg/kg _{dwt}	0.000015
Grassland	0.00004 mg/kg _{dwt}	13.1 mg/kg _{dwt}	3.07E-6

10.112.1.3 Microbiological activity in sewage treatment systems

Compartments	PEC	PNEC	RCR = PEC/PNEC
STP	0.00062 mg/L	50 mg/L	0.000012

10.112.1.4 Secondary poisoning / Man via environment

Secondary poisoning considers indirect exposure of man via foods, air and drinking water. The following table shows the calculated exposure to the substance from exemplary food sources at different trophic levels together with the total exposure over all routes and food sources.

Food source	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
Fish	7.15E-6 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-7
Root crop	3.33E-7 mg/kg _{bw} /day	10 mg/kg _{bw} /day	3.33E-8
Leaf crop	0.00001 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.00E-6
Milk	1.33E-8 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.33E-9
Meat	7.15E-10 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-11
Drinking water	0.000088 mg/kg _{bw} /day	10 mg/kg _{bw} /day	8.82E-6
inhalation	2.57E-11 mg/kg _{bw} /day	10 mg/kg _{bw} /day	2.57E-12
Total	0.000011 mg/kg _{bw} /day	10 mg/kg _{bw} /day	0.000011

10.112.2 Contributing Scenario (2) controlling professional worker exposure for PROC 13

Professional Use of Medical Devices Medical devices ; Dipping process

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	0.006857 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.000137
inhalation	0.225 mg/m ³	350 mg/m ³	0.000643
Combined routes	0.039 mg/kg _{bw} /day	-	0.00078

10.112.3 Contributing Scenario (3) controlling professional worker exposure for PROC 8A

Professional Use of Medical Devices Medical devices ; Dipping process

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	0.001371 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.000027
inhalation	0.0375 mg/m ³	350 mg/m ³	0.000107
Combined routes	0.006729 mg/kg _{bw} /day	-	0.000135

10.113 Scenario 113: Professional Use of Medical Devices Medical devices ; Manual process

The following RCR calculations refer to the contributing scenarios described in chapter 9.113

10.113.1 Contributing Scenario (1) controlling environmental exposure for ERC8A

Professional Use of Medical Devices Medical devices ; Manual process

The quantitative risk characterisation for this environmental exposure has been calculated using EasyTRA.

The environmental exposure calculation per compartment is based on the algorithms of the EU TGD 2003 Risk Assessment Spreadsheet Model 1.24a.

10.113.1.1 Aquatic compartment (including sediment)

Compartments	PEC	PNEC	RCR = PEC/PNEC
Freshwater	0.00315 mg/L	0.100 mg/L	0.031497

Compartments	PEC	PNEC	RCR = PEC/PNEC
Freshwater sediment	0.018656 mg/kg _{dwt}	0.292 mg/kg _{dwt}	0.06389
Marine water	0.000303 mg/L	0.010 mg/L	0.03033
Marine water sediment	0.001796 mg/kg _{dwt}	0.0292 mg/kg _{dwt}	0.061521

10.113.1.2 Terrestrial compartment

Compartments	PEC	PNEC	RCR = PEC/PNEC
Agricultural soil	0.000191 mg/kg _{dwt}	13.1 mg/kg _{dwt}	0.000015
Grassland	0.00004 mg/kg _{dwt}	13.1 mg/kg _{dwt}	3.07E-6

10.113.1.3 Microbiological activity in sewage treatment systems

Compartments	PEC	PNEC	RCR = PEC/PNEC
STP	0.00062 mg/L	50 mg/L	0.000012

10.113.1.4 Secondary poisoning / Man via environment

Secondary poisoning considers indirect exposure of man via foods, air and drinking water. The following table shows the calculated exposure to the substance from exemplary food sources at different trophic levels together with the total exposure over all routes and food sources.

Food source	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
Fish	7.15E-6 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-7
Root crop	3.33E-7 mg/kg _{bw} /day	10 mg/kg _{bw} /day	3.33E-8
Leaf crop	0.00001 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.00E-6
Milk	1.33E-8 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.33E-9
Meat	7.15E-10 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-11
Drinking water	0.000088 mg/kg _{bw} /day	10 mg/kg _{bw} /day	8.82E-6
inhalation	2.57E-11 mg/kg _{bw} /day	10 mg/kg _{bw} /day	2.57E-12
Total	0.000011 mg/kg _{bw} /day	10 mg/kg _{bw} /day	0.000011

10.113.2 Contributing Scenario (2) controlling professional worker exposure for PROC 10

Professional Use of Medical Devices Medical devices ; Manual process

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	27.429 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.548571
inhalation	1.875 mg/m ³	350 mg/m ³	0.005357
Combined routes	27.696 mg/kg _{bw} /day	-	0.553929

10.113.3 Contributing Scenario (3) controlling professional worker exposure for PROC 8A

Professional Use of Medical Devices Medical devices ; Manual process

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	13.714 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.274286
inhalation	0.375 mg/m ³	350 mg/m ³	0.001071
Combined routes	13.768 mg/kg _{bw} /day	-	0.275357

10.114 Scenario 114: Professional Use of Medical Devices Medical devices ; Semi-automatic process

The following RCR calculations refer to the contributing scenarios described in chapter 9.114

10.114.1 Contributing Scenario (1) controlling environmental exposure for ERC8A

Professional Use of Medical Devices Medical devices ; Semi-automatic process

The quantitative risk characterisation for this environmental exposure has been calculated using EasyTRA.

The environmental exposure calculation per compartment is based on the algorithms of the EU TGD 2003 Risk Assessment Spreadsheet Model 1.24a.

10.114.1.1 Aquatic compartment (including sediment)

Compartments	PEC	PNEC	RCR = PEC/PNEC
Freshwater	0.00315 mg/L	0.100 mg/L	0.031497
Freshwater sediment	0.018656 mg/kg _{dwt}	0.292 mg/kg _{dwt}	0.06389
Marine water	0.000303 mg/L	0.010 mg/L	0.03033
Marine water sediment	0.001796 mg/kg _{dwt}	0.0292 mg/kg _{dwt}	0.061521

10.114.1.2 Terrestrial compartment

Compartments	PEC	PNEC	RCR = PEC/PNEC
Agricultural soil	0.000191 mg/kg _{dwt}	13.1 mg/kg _{dwt}	0.000015
Grassland	0.00004 mg/kg _{dwt}	13.1 mg/kg _{dwt}	3.07E-6

10.114.1.3 Microbiological activity in sewage treatment systems

Compartments	PEC	PNEC	RCR = PEC/PNEC
STP	0.00062 mg/L	50 mg/L	0.000012

10.114.1.4 Secondary poisoning / Man via environment

Secondary poisoning considers indirect exposure of man via foods, air and drinking water. The following table shows the calculated exposure to the substance from exemplary food sources at different trophic levels together with the total exposure over all routes and food sources.

Food source	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
Fish	7.15E-6 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-7
Root crop	3.33E-7 mg/kg _{bw} /day	10 mg/kg _{bw} /day	3.33E-8
Leaf crop	0.00001 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.00E-6
Milk	1.33E-8 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.33E-9
Meat	7.15E-10 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-11
Drinking water	0.000088 mg/kg _{bw} /day	10 mg/kg _{bw} /day	8.82E-6
inhalation	2.57E-11 mg/kg _{bw} /day	10 mg/kg _{bw} /day	2.57E-12
Total	0.000011 mg/kg _{bw} /day	10 mg/kg _{bw} /day	0.000011

10.114.2 Contributing Scenario (2) controlling professional worker exposure for PROC 4

Professional Use of Medical Devices Medical devices ; Semi-automatic process

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	0.006857 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.000137
inhalation	0.225 mg/m ³	350 mg/m ³	0.000643
Combined routes	0.039 mg/kg _{bw} /day	-	0.00078

10.114.3 Contributing Scenario (3) controlling professional worker exposure for PROC 8A

Professional Use of Medical Devices Medical devices ; Semi-automatic process

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	0.001371 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.000027
inhalation	0.075 mg/m ³	350 mg/m ³	0.000214
Combined routes	0.012086 mg/kg _{bw} /day	-	0.000242

10.115 Scenario 115: Professional Use of Medical Devices Medical devices ; Spray process

The following RCR calculations refer to the contributing scenarios described in chapter 9.115

10.115.1 Contributing Scenario (1) controlling environmental exposure for ERC8A

Professional Use of Medical Devices Medical devices ; Spray process

The quantitative risk characterisation for this environmental exposure has been calculated using EasyTRA.

The environmental exposure calculation per compartment is based on the algorithms of the EU TGD 2003 Risk Assessment Spreadsheet Model 1.24a.

10.115.1.1 Aquatic compartment (including sediment)

Compartments	PEC	PNEC	RCR = PEC/PNEC
Freshwater	0.00315 mg/L	0.100 mg/L	0.031497
Freshwater sediment	0.018656 mg/kg _{dwt}	0.292 mg/kg _{dwt}	0.06389
Marine water	0.000303 mg/L	0.010 mg/L	0.03033
Marine water sediment	0.001796 mg/kg _{dwt}	0.0292 mg/kg _{dwt}	0.061521

10.115.1.2 Terrestrial compartment

Compartments	PEC	PNEC	RCR = PEC/PNEC
Agricultural soil	0.000191 mg/kg _{dwt}	13.1 mg/kg _{dwt}	0.000015
Grassland	0.00004 mg/kg _{dwt}	13.1 mg/kg _{dwt}	3.07E-6

10.115.1.3 Microbiological activity in sewage treatment systems

Compartments	PEC	PNEC	RCR = PEC/PNEC
STP	0.00062 mg/L	50 mg/L	0.000012

10.115.1.4 Secondary poisoning / Man via environment

Secondary poisoning considers indirect exposure of man via foods, air and drinking water. The following table shows the calculated exposure to the substance from exemplary food sources at different trophic levels together with the total exposure over all routes and food sources.

Food source	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
Fish	7.15E-6 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-7
Root crop	3.33E-7 mg/kg _{bw} /day	10 mg/kg _{bw} /day	3.33E-8
Leaf crop	0.00001 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.00E-6
Milk	1.33E-8 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.33E-9
Meat	7.15E-10 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-11

Food source	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
Drinking water	0.000088 mg/kg _{bw} /day	10 mg/kg _{bw} /day	8.82E-6
inhalation	2.57E-11 mg/kg _{bw} /day	10 mg/kg _{bw} /day	2.57E-12
Total	0.000011 mg/kg _{bw} /day	10 mg/kg _{bw} /day	0.000011

10.115.2 Contributing Scenario (2) controlling professional worker exposure for PROC 8A

Professional Use of Medical Devices Medical devices ; Spray process

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	13.714 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.274286
inhalation	0.1875 mg/m ³	350 mg/m ³	0.000536
Combined routes	13.741 mg/kg _{bw} /day	-	0.274821

10.116 Scenario 116: Professional Use of Vehicle cleaning Products Boat cleaner; Manual process

The following RCR calculations refer to the contributing scenarios described in chapter 9.116

10.116.1 Contributing Scenario (1) controlling environmental exposure for ERC8A

Professional Use of Vehicle cleaning Products Boat cleaner; Manual process

The quantitative risk characterisation for this environmental exposure has been calculated using EasyTRA.

The environmental exposure calculation per compartment is based on the algorithms of the EU TGD 2003 Risk Assessment Spreadsheet Model 1.24a.

10.116.1.1 Aquatic compartment (including sediment)

Compartments	PEC	PNEC	RCR = PEC/PNEC
Freshwater	0.00315 mg/L	0.100 mg/L	0.031497

Compartments	PEC	PNEC	RCR = PEC/PNEC
Freshwater sediment	0.018656 mg/kg _{dwt}	0.292 mg/kg _{dwt}	0.06389
Marine water	0.000303 mg/L	0.010 mg/L	0.03033
Marine water sediment	0.001796 mg/kg _{dwt}	0.0292 mg/kg _{dwt}	0.061521

10.116.1.2 Terrestrial compartment

Compartments	PEC	PNEC	RCR = PEC/PNEC
Agricultural soil	0.000191 mg/kg _{dwt}	13.1 mg/kg _{dwt}	0.000015
Grassland	0.00004 mg/kg _{dwt}	13.1 mg/kg _{dwt}	3.07E-6

10.116.1.3 Microbiological activity in sewage treatment systems

Compartments	PEC	PNEC	RCR = PEC/PNEC
STP	0.00062 mg/L	50 mg/L	0.000012

10.116.1.4 Secondary poisoning / Man via environment

Secondary poisoning considers indirect exposure of man via foods, air and drinking water. The following table shows the calculated exposure to the substance from exemplary food sources at different trophic levels together with the total exposure over all routes and food sources.

Food source	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
Fish	7.15E-6 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-7
Root crop	3.33E-7 mg/kg _{bw} /day	10 mg/kg _{bw} /day	3.33E-8
Leaf crop	0.00001 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.00E-6
Milk	1.33E-8 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.33E-9
Meat	7.15E-10 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-11
Drinking water	0.000088 mg/kg _{bw} /day	10 mg/kg _{bw} /day	8.82E-6
inhalation	2.57E-11 mg/kg _{bw} /day	10 mg/kg _{bw} /day	2.57E-12
Total	0.000011 mg/kg _{bw} /day	10 mg/kg _{bw} /day	0.000011

10.116.2 Contributing Scenario (2) controlling professional worker exposure for PROC 8A

Professional Use of Vehicle cleaning Products Boat cleaner; Manual process

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	0.137143 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.002743
inhalation	0.2625 mg/m ³	350 mg/m ³	0.00075
Combined routes	0.174643 mg/kg _{bw} /day	-	0.003493

10.116.3 Contributing Scenario (3) controlling professional worker exposure for PROC 10

Professional Use of Vehicle cleaning Products Boat cleaner; Manual process

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	0.274286 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.005486
inhalation	1.312 mg/m ³	350 mg/m ³	0.00375
Combined routes	0.461786 mg/kg _{bw} /day	-	0.009236

10.117 Scenario 117: Professional Use of Vehicle cleaning Products Boat cleaner; Spray and wipe manual process

The following RCR calculations refer to the contributing scenarios described in chapter 9.117

10.117.1 Contributing Scenario (1) controlling environmental exposure for ERC8A

Professional Use of Vehicle cleaning Products Boat cleaner; Spray and wipe manual process

The quantitative risk characterisation for this environmental exposure has been calculated using EasyTRA.

The environmental exposure calculation per compartment is based on the algorithms of the EU TGD 2003 Risk Assessment Spreadsheet Model 1.24a.

10.117.1.1 Aquatic compartment (including sediment)

Compartments	PEC	PNEC	RCR = PEC/PNEC
Freshwater	0.00315 mg/L	0.100 mg/L	0.031497
Freshwater sediment	0.018656 mg/kg _{dwt}	0.292 mg/kg _{dwt}	0.06389
Marine water	0.000303 mg/L	0.010 mg/L	0.03033
Marine water sediment	0.001796 mg/kg _{dwt}	0.0292 mg/kg _{dwt}	0.061521

10.117.1.2 Terrestrial compartment

Compartments	PEC	PNEC	RCR = PEC/PNEC
Agricultural soil	0.000191 mg/kg _{dwt}	13.1 mg/kg _{dwt}	0.000015
Grassland	0.00004 mg/kg _{dwt}	13.1 mg/kg _{dwt}	3.07E-6

10.117.1.3 Microbiological activity in sewage treatment systems

Compartments	PEC	PNEC	RCR = PEC/PNEC
STP	0.00062 mg/L	50 mg/L	0.000012

10.117.1.4 Secondary poisoning / Man via environment

Secondary poisoning considers indirect exposure of man via foods, air and drinking water. The following table shows the calculated exposure to the substance from exemplary food sources at different trophic levels together with the total exposure over all routes and food sources.

Food source	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
Fish	7.15E-6 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-7
Root crop	3.33E-7 mg/kg _{bw} /day	10 mg/kg _{bw} /day	3.33E-8
Leaf crop	0.00001 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.00E-6
Milk	1.33E-8 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.33E-9
Meat	7.15E-10 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-11
Drinking water	0.000088 mg/kg _{bw} /day	10 mg/kg _{bw} /day	8.82E-6

Food source	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
inhalation	2.57E-11 mg/kg _{bw} /day	10 mg/kg _{bw} /day	2.57E-12
Total	0.000011 mg/kg _{bw} /day	10 mg/kg _{bw} /day	0.000011

10.117.2 Contributing Scenario (2) controlling professional worker exposure for PROC 8A

Professional Use of Vehicle cleaning Products Boat cleaner; Spray and wipe manual process

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	0.137143 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.002743
inhalation	0.2625 mg/m ³	350 mg/m ³	0.00075
Combined routes	0.174643 mg/kg _{bw} /day	-	0.003493

10.117.3 Contributing Scenario (3) controlling professional worker exposure for PROC 11

Professional Use of Vehicle cleaning Products Boat cleaner; Spray and wipe manual process

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	1.071 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.021429
inhalation	1.312 mg/m ³	350 mg/m ³	0.00375
Combined routes	1.259 mg/kg _{bw} /day	-	0.025179

10.118 Scenario 118: Professional Use of Vehicle cleaning Products Car wash product; Semi-Automatic process

The following RCR calculations refer to the contributing scenarios described in chapter 9.118

10.118.1 Contributing Scenario (1) controlling environmental exposure for ERC8A

Professional Use of Vehicle cleaning Products Car wash product; Semi-Automatic process

The quantitative risk characterisation for this environmental exposure has been calculated using EasyTRA.

The environmental exposure calculation per compartment is based on the algorithms of the EU TGD 2003 Risk Assessment Spreadsheet Model 1.24a.

10.118.1.1 Aquatic compartment (including sediment)

Compartments	PEC	PNEC	RCR = PEC/PNEC
Freshwater	0.00315 mg/L	0.100 mg/L	0.031497
Freshwater sediment	0.018656 mg/kg _{dwt}	0.292 mg/kg _{dwt}	0.06389
Marine water	0.000303 mg/L	0.010 mg/L	0.03033
Marine water sediment	0.001796 mg/kg _{dwt}	0.0292 mg/kg _{dwt}	0.061521

10.118.1.2 Terrestrial compartment

Compartments	PEC	PNEC	RCR = PEC/PNEC
Agricultural soil	0.000191 mg/kg _{dwt}	13.1 mg/kg _{dwt}	0.000015
Grassland	0.00004 mg/kg _{dwt}	13.1 mg/kg _{dwt}	3.07E-6

10.118.1.3 Microbiological activity in sewage treatment systems

Compartments	PEC	PNEC	RCR = PEC/PNEC
STP	0.00062 mg/L	50 mg/L	0.000012

10.118.1.4 Secondary poisoning / Man via environment

Secondary poisoning considers indirect exposure of man via foods, air and drinking water. The following table shows the calculated exposure to the substance from exemplary food sources at different trophic levels together with the total exposure over all routes and food sources.

Food source	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
Fish	7.15E-6 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-7
Root crop	3.33E-7 mg/kg _{bw} /day	10 mg/kg _{bw} /day	3.33E-8
Leaf crop	0.00001 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.00E-6
Milk	1.33E-8 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.33E-9
Meat	7.15E-10 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-11
Drinking water	0.000088 mg/kg _{bw} /day	10 mg/kg _{bw} /day	8.82E-6
inhalation	2.57E-11 mg/kg _{bw} /day	10 mg/kg _{bw} /day	2.57E-12
Total	0.000011 mg/kg _{bw} /day	10 mg/kg _{bw} /day	0.000011

10.118.2 Contributing Scenario (2) controlling professional worker exposure for PROC 8A

Professional Use of Vehicle cleaning Products Car wash product; Semi-Automatic process

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	0.137143 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.002743
inhalation	0.375 mg/m ³	350 mg/m ³	0.001071
Combined routes	0.190714 mg/kg _{bw} /day	-	0.003814

10.118.3 Contributing Scenario (3) controlling professional worker exposure for PROC 4

Professional Use of Vehicle cleaning Products Car wash product; Semi-Automatic process

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	0.068571 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.001371
inhalation	1.875 mg/m ³	350 mg/m ³	0.005357
Combined routes	0.336429 mg/kg _{bw} /day	-	0.006729

10.118.4 Contributing Scenario (4) controlling professional worker exposure for PROC 4

Professional Use of Vehicle cleaning Products Car wash product; Semi-Automatic process

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	0.068571 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.001371
inhalation	1.312 mg/m ³	350 mg/m ³	0.00375
Combined routes	0.256071 mg/kg _{bw} /day	-	0.005121

10.118.5 Contributing Scenario (5) controlling professional worker exposure for PROC 8A

Professional Use of Vehicle cleaning Products Car wash product; Semi-Automatic process

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
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Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	0.137143 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.002743
inhalation	0.2625 mg/m ³	350 mg/m ³	0.00075
Combined routes	0.174643 mg/kg _{bw} /day	-	0.003493

10.119 Scenario 119: Professional Use of Vehicle cleaning Products Car wash product; Spray and rinse process

The following RCR calculations refer to the contributing scenarios described in chapter 9.119

10.119.1 Contributing Scenario (1) controlling environmental exposure for ERC8A

Professional Use of Vehicle cleaning Products Car wash product; Spray and rinse process

The quantitative risk characterisation for this environmental exposure has been calculated using EasyTRA.

The environmental exposure calculation per compartment is based on the algorithms of the EU TGD 2003 Risk Assessment Spreadsheet Model 1.24a.

10.119.1.1 Aquatic compartment (including sediment)

Compartments	PEC	PNEC	RCR = PEC/PNEC
Freshwater	0.00315 mg/L	0.100 mg/L	0.031497
Freshwater sediment	0.018656 mg/kg _{dwt}	0.292 mg/kg _{dwt}	0.06389
Marine water	0.000303 mg/L	0.010 mg/L	0.03033
Marine water sediment	0.001796 mg/kg _{dwt}	0.0292 mg/kg _{dwt}	0.061521

10.119.1.2 Terrestrial compartment

Compartments	PEC	PNEC	RCR = PEC/PNEC
Agricultural soil	0.000191 mg/kg _{dwt}	13.1 mg/kg _{dwt}	0.000015
Grassland	0.00004 mg/kg _{dwt}	13.1 mg/kg _{dwt}	3.07E-6

10.119.1.3 Microbiological activity in sewage treatment systems

Compartments	PEC	PNEC	RCR = PEC/PNEC
STP	0.00062 mg/L	50 mg/L	0.000012

10.119.1.4 Secondary poisoning / Man via environment

Secondary poisoning considers indirect exposure of man via foods, air and drinking water. The following table shows the calculated exposure to the substance from exemplary food sources at different trophic levels together with the total exposure over all routes and food sources.

Food source	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
Fish	7.15E-6 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-7
Root crop	3.33E-7 mg/kg _{bw} /day	10 mg/kg _{bw} /day	3.33E-8
Leaf crop	0.00001 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.00E-6
Milk	1.33E-8 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.33E-9
Meat	7.15E-10 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-11
Drinking water	0.000088 mg/kg _{bw} /day	10 mg/kg _{bw} /day	8.82E-6
inhalation	2.57E-11 mg/kg _{bw} /day	10 mg/kg _{bw} /day	2.57E-12
Total	0.000011 mg/kg _{bw} /day	10 mg/kg _{bw} /day	0.000011

10.119.2 Contributing Scenario (2) controlling professional worker exposure for PROC 8A

Professional Use of Vehicle cleaning Products Car wash product; Spray and rinse process

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	0.137143 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.002743
inhalation	0.2625 mg/m ³	350 mg/m ³	0.00075
Combined routes	0.174643 mg/kg _{bw} /day	-	0.003493

10.119.3 Contributing Scenario (3) controlling professional worker exposure for PROC 11

Professional Use of Vehicle cleaning Products Car wash product; Spray and rinse process

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	1.071 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.021429
inhalation	1.312 mg/m ³	350 mg/m ³	0.00375
Combined routes	1.259 mg/kg _{bw} /day	-	0.025179

10.119.4 Contributing Scenario (4) controlling professional worker exposure for PROC 8A

Professional Use of Vehicle cleaning Products Car wash product; Spray and rinse process

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	0.137143 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.002743
inhalation	0.375 mg/m ³	350 mg/m ³	0.001071
Combined routes	0.190714 mg/kg _{bw} /day	-	0.003814

10.119.5 Contributing Scenario (5) controlling professional worker exposure for PROC 11

Professional Use of Vehicle cleaning Products Car wash product; Spray and rinse process

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	1.071 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.021429
inhalation	1.875 mg/m ³	350 mg/m ³	0.005357
Combined routes	1.339 mg/kg _{bw} /day	-	0.026786

10.120 Scenario 120: Professional Use of Vehicle cleaning Products Car wash product; Spray and wipe manual process

The following RCR calculations refer to the contributing scenarios described in chapter 9.120

10.120.1 Contributing Scenario (1) controlling environmental exposure for ERC8A

Professional Use of Vehicle cleaning Products Car wash product; Spray and wipe manual process

The quantitative risk characterisation for this environmental exposure has been calculated using EasyTRA.

The environmental exposure calculation per compartment is based on the algorithms of the EU TGD 2003 Risk Assessment Spreadsheet Model 1.24a.

10.120.1.1 Aquatic compartment (including sediment)

Compartments	PEC	PNEC	RCR = PEC/PNEC
Freshwater	0.00315 mg/L	0.100 mg/L	0.031497
Freshwater sediment	0.018656 mg/kg _{dwt}	0.292 mg/kg _{dwt}	0.06389
Marine water	0.000303 mg/L	0.010 mg/L	0.03033
Marine water sediment	0.001796 mg/kg _{dwt}	0.0292 mg/kg _{dwt}	0.061521

10.120.1.2 Terrestrial compartment

Compartments	PEC	PNEC	RCR = PEC/PNEC
Agricultural soil	0.000191 mg/kg _{dwt}	13.1 mg/kg _{dwt}	0.000015
Grassland	0.00004 mg/kg _{dwt}	13.1 mg/kg _{dwt}	3.07E-6

10.120.1.3 Microbiological activity in sewage treatment systems

Compartments	PEC	PNEC	RCR = PEC/PNEC
STP	0.00062 mg/L	50 mg/L	0.000012

10.120.1.4 Secondary poisoning / Man via environment

Secondary poisoning considers indirect exposure of man via foods, air and drinking water. The following table shows the calculated exposure to the substance from exemplary food sources at different trophic levels together with the total exposure over all routes and food sources.

Food source	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
Fish	7.15E-6 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-7
Root crop	3.33E-7 mg/kg _{bw} /day	10 mg/kg _{bw} /day	3.33E-8
Leaf crop	0.00001 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.00E-6
Milk	1.33E-8 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.33E-9
Meat	7.15E-10 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-11
Drinking water	0.000088 mg/kg _{bw} /day	10 mg/kg _{bw} /day	8.82E-6
inhalation	2.57E-11 mg/kg _{bw} /day	10 mg/kg _{bw} /day	2.57E-12
Total	0.000011 mg/kg _{bw} /day	10 mg/kg _{bw} /day	0.000011

10.120.2 Contributing Scenario (2) controlling professional worker exposure for PROC 8A

Professional Use of Vehicle cleaning Products Car wash product; Spray and wipe manual process

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	0.137143 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.002743
inhalation	0.2625 mg/m ³	350 mg/m ³	0.00075
Combined routes	0.174643 mg/kg _{bw} /day	-	0.003493

10.120.3 Contributing Scenario (3) controlling professional worker exposure for PROC 11

Professional Use of Vehicle cleaning Products Car wash product; Spray and wipe manual process

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	1.071 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.021429
inhalation	1.312 mg/m ³	350 mg/m ³	0.00375
Combined routes	1.259 mg/kg _{bw} /day	-	0.025179

10.121 Scenario 121: Professional Use of Vehicle cleaning Products Dewaxing product; Semi-Automatic process

The following RCR calculations refer to the contributing scenarios described in chapter 9.121

10.121.1 Contributing Scenario (1) controlling environmental exposure for ERC8A

Professional Use of Vehicle cleaning Products Dewaxing product; Semi-Automatic process

The quantitative risk characterisation for this environmental exposure has been calculated using EasyTRA.

The environmental exposure calculation per compartment is based on the algorithms of the EU TGD 2003 Risk Assessment Spreadsheet Model 1.24a.

10.121.1.1 Aquatic compartment (including sediment)

Compartments	PEC	PNEC	RCR = PEC/PNEC
Freshwater	0.00315 mg/L	0.100 mg/L	0.031497
Freshwater sediment	0.018656 mg/kg _{dwt}	0.292 mg/kg _{dwt}	0.06389
Marine water	0.000303 mg/L	0.010 mg/L	0.03033
Marine water sediment	0.001796 mg/kg _{dwt}	0.0292 mg/kg _{dwt}	0.061521

10.121.1.2 Terrestrial compartment

Compartments	PEC	PNEC	RCR = PEC/PNEC
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Compartments	PEC	PNEC	RCR = PEC/PNEC
Agricultural soil	0.000191 mg/kg _{dwt}	13.1 mg/kg _{dwt}	0.000015
Grassland	0.00004 mg/kg _{dwt}	13.1 mg/kg _{dwt}	3.07E-6

10.121.1.3 Microbiological activity in sewage treatment systems

Compartments	PEC	PNEC	RCR = PEC/PNEC
STP	0.00062 mg/L	50 mg/L	0.000012

10.121.1.4 Secondary poisoning / Man via environment

Secondary poisoning considers indirect exposure of man via foods, air and drinking water. The following table shows the calculated exposure to the substance from exemplary food sources at different trophic levels together with the total exposure over all routes and food sources.

Food source	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
Fish	7.15E-6 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-7
Root crop	3.33E-7 mg/kg _{bw} /day	10 mg/kg _{bw} /day	3.33E-8
Leaf crop	0.00001 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.00E-6
Milk	1.33E-8 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.33E-9
Meat	7.15E-10 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-11
Drinking water	0.000088 mg/kg _{bw} /day	10 mg/kg _{bw} /day	8.82E-6
inhalation	2.57E-11 mg/kg _{bw} /day	10 mg/kg _{bw} /day	2.57E-12
Total	0.000011 mg/kg _{bw} /day	10 mg/kg _{bw} /day	0.000011

10.121.2 Contributing Scenario (2) controlling professional worker exposure for PROC 8A

Professional Use of Vehicle cleaning Products Dewaxing product; Semi-Automatic process

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	0.137143 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.002743
inhalation	0.2625 mg/m ³	350 mg/m ³	0.00075
Combined routes	0.174643 mg/kg _{bw} /day	-	0.003493

10.121.3 Contributing Scenario (3) controlling professional worker exposure for PROC 8A

Professional Use of Vehicle cleaning Products Dewaxing product; Semi-Automatic process

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	0.137143 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.002743
inhalation	0.375 mg/m ³	350 mg/m ³	0.001071
Combined routes	0.190714 mg/kg _{bw} /day	-	0.003814

10.121.4 Contributing Scenario (4) controlling professional worker exposure for PROC 4

Professional Use of Vehicle cleaning Products Dewaxing product; Semi-Automatic process

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	0.068571 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.001371
inhalation	1.875 mg/m ³	350 mg/m ³	0.005357

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
Combined routes	0.336429 mg/kg _{bw} /day	-	0.006729

10.121.5 Contributing Scenario (5) controlling professional worker exposure for PROC 4

Professional Use of Vehicle cleaning Products Dewaxing product; Semi-Automatic process

The quantitative risk characterisation for this worker exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the dermal and inhalatory route together with the total exposure of workers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	0.068571 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.001371
inhalation	1.312 mg/m ³	350 mg/m ³	0.00375
Combined routes	0.256071 mg/kg _{bw} /day	-	0.005121

10.122 Scenario 122: SURFACE CLEANERS (liquid, powder, gel neat, spray neat) for consumer use

The following RCR calculations refer to the contributing scenarios described in chapter 9.122

10.122.1 Contributing Scenario (1) controlling environmental exposure for ERC11B

SURFACE CLEANERS (liquid, powder, gel neat, spray neat) for consumer use

The quantitative risk characterisation for this environmental exposure has been calculated using EasyTRA.

The environmental exposure calculation per compartment is based on the algorithms of the EU TGD 2003 Risk Assessment Spreadsheet Model 1.24a.

10.122.1.1 Aquatic compartment (including sediment)

Compartments	PEC	PNEC	RCR = PEC/PNEC
Freshwater	0.003091 mg/L	0.100 mg/L	0.030908
Freshwater sediment	0.018307 mg/kg _{dwt}	0.292 mg/kg _{dwt}	0.062695

Compartments	PEC	PNEC	RCR = PEC/PNEC
Marine water	0.000297 mg/L	0.010 mg/L	0.029741
Marine water sediment	0.001762 mg/kg _{dwt}	0.0292 mg/kg _{dwt}	0.060327

10.122.1.2 Terrestrial compartment

Compartments	PEC	PNEC	RCR = PEC/PNEC
Agricultural soil	0.00003 mg/kg _{dwt}	13.1 mg/kg _{dwt}	2.28E-6
Grassland	0.000022 mg/kg _{dwt}	13.1 mg/kg _{dwt}	1.70E-6

10.122.1.3 Microbiological activity in sewage treatment systems

Compartments	PEC	PNEC	RCR = PEC/PNEC
STP	0.000031 mg/L	50 mg/L	6.20E-7

10.122.1.4 Secondary poisoning / Man via environment

Secondary poisoning considers indirect exposure of man via foods, air and drinking water. The following table shows the calculated exposure to the substance from exemplary food sources at different trophic levels together with the total exposure over all routes and food sources.

Food source	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
Fish	7.15E-6 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-7
Root crop	3.33E-7 mg/kg _{bw} /day	10 mg/kg _{bw} /day	3.33E-8
Leaf crop	0.00001 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.00E-6
Milk	1.33E-8 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.33E-9
Meat	7.15E-10 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-11
Drinking water	0.000088 mg/kg _{bw} /day	10 mg/kg _{bw} /day	8.82E-6
inhalation	2.57E-11 mg/kg _{bw} /day	10 mg/kg _{bw} /day	2.57E-12
Total	0.000011 mg/kg _{bw} /day	10 mg/kg _{bw} /day	0.000011

10.123 Scenario 123: TOILET CLEANERS (powder, liquid, gel, tablet) for consumer use

The following RCR calculations refer to the contributing scenarios described in chapter 9.123

10.123.1 Contributing Scenario (1) controlling environmental exposure for ERC11B

TOILET CLEANERS (powder, liquid, gel, tablet) for consumer use

The quantitative risk characterisation for this environmental exposure has been calculated using EasyTRA.

The environmental exposure calculation per compartment is based on the algorithms of the EU TGD 2003 Risk Assessment Spreadsheet Model 1.24a.

10.123.1.1 Aquatic compartment (including sediment)

Compartments	PEC	PNEC	RCR = PEC/PNEC
Freshwater	0.003091 mg/L	0.100 mg/L	0.030908
Freshwater sediment	0.018307 mg/kg _{dwt}	0.292 mg/kg _{dwt}	0.062695
Marine water	0.000297 mg/L	0.010 mg/L	0.029741
Marine water sediment	0.001762 mg/kg _{dwt}	0.0292 mg/kg _{dwt}	0.060327

10.123.1.2 Terrestrial compartment

Compartments	PEC	PNEC	RCR = PEC/PNEC
Agricultural soil	0.00003 mg/kg _{dwt}	13.1 mg/kg _{dwt}	2.28E-6
Grassland	0.000022 mg/kg _{dwt}	13.1 mg/kg _{dwt}	1.70E-6

10.123.1.3 Microbiological activity in sewage treatment systems

Compartments	PEC	PNEC	RCR = PEC/PNEC
STP	0.000031 mg/L	50 mg/L	6.20E-7

10.123.1.4 Secondary poisoning / Man via environment

Secondary poisoning considers indirect exposure of man via foods, air and drinking water. The following table shows the calculated exposure to the substance from exemplary food sources at different trophic levels together with the total exposure over all routes and food sources.

Food source	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
Fish	7.15E-6 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-7
Root crop	3.33E-7 mg/kg _{bw} /day	10 mg/kg _{bw} /day	3.33E-8
Leaf crop	0.00001 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.00E-6

Food source	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
Milk	1.33E-8 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.33E-9
Meat	7.15E-10 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-11
Drinking water	0.000088 mg/kg _{bw} /day	10 mg/kg _{bw} /day	8.82E-6
inhalation	2.57E-11 mg/kg _{bw} /day	10 mg/kg _{bw} /day	2.57E-12
Total	0.000011 mg/kg _{bw} /day	10 mg/kg _{bw} /day	0.000011

10.123.2 Contributing Scenario (2) controlling consumer exposure for PC 35 TOILET CLEANERS (powder, liquid, gel, tablet) for consumer use

The quantitative risk characterisation for this consumer exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the oral, dermal and inhalatory route together with the total exposure of consumers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	0.489452 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.009789
inhalation	0.143836 mg/m ³	350 mg/m ³	0.000411
oral	-	-	-
Combined routes	0.492738 mg/kg _{bw} /day	-	0.0102

10.124 Scenario 124: Use of Air Care Products See consumer uses table

The following RCR calculations refer to the contributing scenarios described in chapter 9.124

10.124.1 Contributing Scenario (1) controlling environmental exposure for ERC8A

Use of Air Care Products See consumer uses table

The quantitative risk characterisation for this environmental exposure has been calculated using EasyTRA.

The environmental exposure calculation per compartment is based on the algorithms of the EU TGD 2003 Risk Assessment Spreadsheet Model 1.24a.

10.124.1.1 Aquatic compartment (including sediment)

Compartments	PEC	PNEC	RCR = PEC/PNEC
Freshwater	0.00315 mg/L	0.100 mg/L	0.031497
Freshwater sediment	0.018656 mg/kg _{dwt}	0.292 mg/kg _{dwt}	0.06389
Marine water	0.000303 mg/L	0.010 mg/L	0.03033
Marine water sediment	0.001796 mg/kg _{dwt}	0.0292 mg/kg _{dwt}	0.061521

10.124.1.2 Terrestrial compartment

Compartments	PEC	PNEC	RCR = PEC/PNEC
Agricultural soil	0.000191 mg/kg _{dwt}	13.1 mg/kg _{dwt}	0.000015
Grassland	0.00004 mg/kg _{dwt}	13.1 mg/kg _{dwt}	3.07E-6

10.124.1.3 Microbiological activity in sewage treatment systems

Compartments	PEC	PNEC	RCR = PEC/PNEC
STP	0.00062 mg/L	50 mg/L	0.000012

10.124.1.4 Secondary poisoning / Man via environment

Secondary poisoning considers indirect exposure of man via foods, air and drinking water. The following table shows the calculated exposure to the substance from exemplary food sources at different trophic levels together with the total exposure over all routes and food sources.

Food source	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
Fish	7.15E-6 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-7
Root crop	3.33E-7 mg/kg _{bw} /day	10 mg/kg _{bw} /day	3.33E-8
Leaf crop	0.00001 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.00E-6
Milk	1.33E-8 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.33E-9
Meat	7.15E-10 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-11
Drinking water	0.000088 mg/kg _{bw} /day	10 mg/kg _{bw} /day	8.82E-6
inhalation	2.57E-11 mg/kg _{bw} /day	10 mg/kg _{bw} /day	2.57E-12
Total	0.000011 mg/kg _{bw} /day	10 mg/kg _{bw} /day	0.000011

10.125 Scenario 125: WATER SOFTENERS (powder, liquids, tabs) for consumer use

The following RCR calculations refer to the contributing scenarios described in chapter 9.125

10.125.1 Contributing Scenario (1) controlling environmental exposure for ERC11B

WATER SOFTENERS (powder, liquids, tabs) for consumer use

The quantitative risk characterisation for this environmental exposure has been calculated using EasyTRA.

The environmental exposure calculation per compartment is based on the algorithms of the EU TGD 2003 Risk Assessment Spreadsheet Model 1.24a.

10.125.1.1 Aquatic compartment (including sediment)

Compartments	PEC	PNEC	RCR = PEC/PNEC
Freshwater	0.003091 mg/L	0.100 mg/L	0.030908
Freshwater sediment	0.018307 mg/kg _{dwt}	0.292 mg/kg _{dwt}	0.062695
Marine water	0.000297 mg/L	0.010 mg/L	0.029741
Marine water sediment	0.001762 mg/kg _{dwt}	0.0292 mg/kg _{dwt}	0.060327

10.125.1.2 Terrestrial compartment

Compartments	PEC	PNEC	RCR = PEC/PNEC
Agricultural soil	0.00003 mg/kg _{dwt}	13.1 mg/kg _{dwt}	2.28E-6
Grassland	0.000022 mg/kg _{dwt}	13.1 mg/kg _{dwt}	1.70E-6

10.125.1.3 Microbiological activity in sewage treatment systems

Compartments	PEC	PNEC	RCR = PEC/PNEC
STP	0.000031 mg/L	50 mg/L	6.20E-7

10.125.1.4 Secondary poisoning / Man via environment

Secondary poisoning considers indirect exposure of man via foods, air and drinking water. The following table shows the calculated exposure to the substance from exemplary food sources at different trophic levels together with the total exposure over all routes and food sources.

Food source	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
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Food source	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
Fish	7.15E-6 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-7
Root crop	3.33E-7 mg/kg _{bw} /day	10 mg/kg _{bw} /day	3.33E-8
Leaf crop	0.00001 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.00E-6
Milk	1.33E-8 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.33E-9
Meat	7.15E-10 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-11
Drinking water	0.000088 mg/kg _{bw} /day	10 mg/kg _{bw} /day	8.82E-6
inhalation	2.57E-11 mg/kg _{bw} /day	10 mg/kg _{bw} /day	2.57E-12
Total	0.000011 mg/kg _{bw} /day	10 mg/kg _{bw} /day	0.000011

10.125.2 Contributing Scenario (2) controlling consumer exposure for PC 35 WATER SOFTENERS (powder, liquids, tabs) for consumer use

The quantitative risk characterisation for this consumer exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the oral, dermal and inhalatory route together with the total exposure of consumers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	0.978904 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.019578
inhalation	0.493151 mg/m ³	350 mg/m ³	0.001409
oral	-	-	-
Combined routes	0.990171 mg/kg _{bw} /day	-	0.020987

10.126 Scenario 126: WIPES (bathroom, kitchen, floor) for consumer use

The following RCR calculations refer to the contributing scenarios described in chapter 9.126

10.126.1 Contributing Scenario (1) controlling environmental exposure for ERC11B

WIPES (bathroom, kitchen, floor) for consumer use

The quantitative risk characterisation for this environmental exposure has been

calculated using EasyTRA.

The environmental exposure calculation per compartment is based on the algorithms of the EU TGD 2003 Risk Assessment Spreadsheet Model 1.24a.

10.126.1.1 Aquatic compartment (including sediment)

Compartments	PEC	PNEC	RCR = PEC/PNEC
Freshwater	0.003091 mg/L	0.100 mg/L	0.030908
Freshwater sediment	0.018307 mg/kg _{dwt}	0.292 mg/kg _{dwt}	0.062695
Marine water	0.000297 mg/L	0.010 mg/L	0.029741
Marine water sediment	0.001762 mg/kg _{dwt}	0.0292 mg/kg _{dwt}	0.060327

10.126.1.2 Terrestrial compartment

Compartments	PEC	PNEC	RCR = PEC/PNEC
Agricultural soil	0.00003 mg/kg _{dwt}	13.1 mg/kg _{dwt}	2.28E-6
Grassland	0.000022 mg/kg _{dwt}	13.1 mg/kg _{dwt}	1.70E-6

10.126.1.3 Microbiological activity in sewage treatment systems

Compartments	PEC	PNEC	RCR = PEC/PNEC
STP	0.000031 mg/L	50 mg/L	6.20E-7

10.126.1.4 Secondary poisoning / Man via environment

Secondary poisoning considers indirect exposure of man via foods, air and drinking water. The following table shows the calculated exposure to the substance from exemplary food sources at different trophic levels together with the total exposure over all routes and food sources.

Food source	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
Fish	7.15E-6 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-7
Root crop	3.33E-7 mg/kg _{bw} /day	10 mg/kg _{bw} /day	3.33E-8
Leaf crop	0.00001 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.00E-6
Milk	1.33E-8 mg/kg _{bw} /day	10 mg/kg _{bw} /day	1.33E-9
Meat	7.15E-10 mg/kg _{bw} /day	10 mg/kg _{bw} /day	7.15E-11
Drinking water	0.000088 mg/kg _{bw} /day	10 mg/kg _{bw} /day	8.82E-6
inhalation	2.57E-11	10 mg/kg _{bw} /day	2.57E-12

Food source	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
	mg/kg _{bw} /day		
Total	0.000011 mg/kg _{bw} /day	10 mg/kg _{bw} /day	0.000011

10.126.2 Contributing Scenario (2) controlling consumer exposure for PC 35 WIPES (bathroom, kitchen, floor) for consumer use

The quantitative risk characterisation for this consumer exposure (long-term systemic effects) has been calculated by EasyTRA.

The following table shows the exposure estimations via the oral, dermal and inhalatory route together with the total exposure of consumers over all routes.

Route	Exposure concentration (EC)	DNEL	Risk characterisation ratio = EC/DNEL
dermal	11.747 mg/kg _{bw} /day	50 mg/kg _{bw} /day	0.234932
inhalation	0.213699 mg/m ³	350 mg/m ³	0.000611
oral	-	-	-
Combined routes	11.751 mg/kg _{bw} /day	-	0.235542

10.127 Overall exposure (combined for all relevant emission/release sources)

10.127.1 Regional exposure from local sources (including Wide Dispersive Uses aggregated)

The regional exposure represents the steady-state concentration of a given substance in the environmental compartments after all partitioning and degradation processes have been taken into account. In addition the aggregated emissions from all wide dispersive uses at a local STP are considered as well. From the calculated predicted environmental concentrations (PECs) and the corresponding predicted no-effect concentrations (PNECs) risk characterization ratios (RCRs) for the standard region are derived the same way as for the local scale. The calculations of the regional PECs were performed utilizing the SimpleBox Model as proposed by the TGD, local emissions at the STP were calculated using the formulae given in the TGD.

10.127.1.1 Aquatic compartment (including sediment)

Compartments	PEC	PNEC	RCR = PEC/PNEC
Freshwater	0.007367 mg/L	0.100 mg/L	0.073671
Freshwater sediment	0.017872 mg/kg _{dwt}	0.292 mg/kg _{dwt}	0.061205
Marine water	0.000725 mg/L	0.010 mg/L	0.072504

Compartments	PEC	PNEC	RCR = PEC/PNEC
Marine water sediment	0.001775 mg/kg _{dwt}	0.0292 mg/kg _{dwt}	0.060786

10.127.1.2 Terrestrial compartment

Compartments	PEC	PNEC	RCR = PEC/PNEC
Agricultural soil	0.011711 mg/kg _{dwt}	13.1 mg/kg _{dwt}	0.000894
Grassland	0.001322 mg/kg _{dwt}	13.1 mg/kg _{dwt}	0.000101

10.127.1.3 Microbiological activity in sewage treatment systems

Compartments	PEC	PNEC	RCR = PEC/PNEC
STP	0.042795 mg/L	50 mg/L	0.000856

10.127.2 Human health (combined for all exposure routes)

The following list of combined exposures from worker and consumer scenarios is illustrative only. For mathematical reasons it is impossible to calculate all potential combinations over all worker and consumer scenarios. Therefore, starting from a given series of combined consumer scenarios, up to 3 worker scenarios are randomly added and the resulting RCR over all scenarios is displayed. This table has been generated using EasyTRA 2.0.

Identification of relevant combination of exposure scenarios

Worker scenarios	Consumer scenarios	Total RCR
9.33 Industrial use of Laundry products Laundry detergent; Automatic process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.135567
9.33 Industrial use of Laundry products Laundry detergent; Automatic process 9.101 Professional Use of Laundry products Laundry detergent; Semi automatic process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.139382
9.33 Industrial use of Laundry products Laundry detergent; Automatic process 9.101 Professional Use of Laundry products Laundry detergent; Semi automatic process 9.100 Professional Use of Laundry products Laundry detergent; Manual process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.143196

Worker scenarios	Consumer scenarios	Total RCR
9.101 Professional Use of Laundry products Laundry detergent; Semi automatic process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.136939
9.101 Professional Use of Laundry products Laundry detergent; Semi automatic process 9.100 Professional Use of Laundry products Laundry detergent; Manual process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.140753
9.101 Professional Use of Laundry products Laundry detergent; Semi automatic process 9.100 Professional Use of Laundry products Laundry detergent; Manual process 9.30 Industrial use of Laundry products Conditioner (softner/starch); Automatic process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.143196
9.100 Professional Use of Laundry products Laundry detergent; Manual process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.136939
9.100 Professional Use of Laundry products Laundry detergent; Manual process 9.30 Industrial use of Laundry products Conditioner (softner/starch); Automatic process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.139382
9.100 Professional Use of Laundry products Laundry detergent; Manual process 9.30 Industrial use of Laundry products Conditioner (softner/starch); Automatic process 9.95 Professional Use of Laundry products Conditioner (softner/starch); Semi automatic process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.143196
9.30 Industrial use of Laundry products Conditioner (softner/starch); Automatic process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.135567

Worker scenarios	Consumer scenarios	Total RCR
	use	
9.30 Industrial use of Laundry products Conditioner (softner/starch); Automatic process 9.95 Professional Use of Laundry products Conditioner (softner/starch); Semi automatic process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.139382
9.30 Industrial use of Laundry products Conditioner (softner/starch); Automatic process 9.95 Professional Use of Laundry products Conditioner (softner/starch); Semi automatic process 9.94 Professional Use of Laundry products Conditioner (softner/starch); Manual process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.143196
9.95 Professional Use of Laundry products Conditioner (softner/starch); Semi automatic process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.136939
9.95 Professional Use of Laundry products Conditioner (softner/starch); Semi automatic process 9.94 Professional Use of Laundry products Conditioner (softner/starch); Manual process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.140753
9.95 Professional Use of Laundry products Conditioner (softner/starch); Semi automatic process 9.94 Professional Use of Laundry products Conditioner (softner/starch); Manual process 9.31 Industrial use of Laundry products Laundry aid (gasing); Automatic process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.143196
9.94 Professional Use of Laundry products Conditioner (softner/starch); Manual process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.136939
9.94 Professional Use of Laundry products Conditioner (softner/starch); Manual process 9.31 Industrial use of Laundry products Laundry aid (gasing);	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non	0.139382

Worker scenarios	Consumer scenarios	Total RCR
Automatic process	aqueous, concentrated (mini-aerosol)) for consumer use	
9.94 Professional Use of Laundry products Conditioner (softner/starch); Manual process 9.31 Industrial use of Laundry products Laundry aid (gasing); Automatic process 9.97 Professional Use of Laundry products Laundry aid (gasing); Semi automatic process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.143196
9.31 Industrial use of Laundry products Laundry aid (gasing); Automatic process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.135567
9.31 Industrial use of Laundry products Laundry aid (gasing); Automatic process 9.97 Professional Use of Laundry products Laundry aid (gasing); Semi automatic process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.139382
9.31 Industrial use of Laundry products Laundry aid (gasing); Automatic process 9.97 Professional Use of Laundry products Laundry aid (gasing); Semi automatic process 9.96 Professional Use of Laundry products Laundry aid (gasing); Manual process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.143196
9.97 Professional Use of Laundry products Laundry aid (gasing); Semi automatic process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.136939
9.97 Professional Use of Laundry products Laundry aid (gasing); Semi automatic process 9.96 Professional Use of Laundry products Laundry aid (gasing); Manual process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.140753
9.97 Professional Use of Laundry products Laundry aid (gasing); Semi automatic process 9.96 Professional Use of Laundry products Laundry aid (gasing); Manual process 9.32 Industrial use of Laundry products Laundry aid (non-	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.143196

Worker scenarios	Consumer scenarios	Total RCR
gasing); Automatic process		
9.96 Professional Use of Laundry products Laundry aid (gasing); Manual process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.136939
9.96 Professional Use of Laundry products Laundry aid (gasing); Manual process 9.32 Industrial use of Laundry products Laundry aid (non-gasing); Automatic process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.139382
9.96 Professional Use of Laundry products Laundry aid (gasing); Manual process 9.32 Industrial use of Laundry products Laundry aid (non-gasing); Automatic process 9.99 Professional Use of Laundry products Laundry aid (non-gasing); Semi automatic process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.143196
9.32 Industrial use of Laundry products Laundry aid (non-gasing); Automatic process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.135567
9.32 Industrial use of Laundry products Laundry aid (non-gasing); Automatic process 9.99 Professional Use of Laundry products Laundry aid (non-gasing); Semi automatic process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.139382
9.32 Industrial use of Laundry products Laundry aid (non-gasing); Automatic process 9.99 Professional Use of Laundry products Laundry aid (non-gasing); Semi automatic process 9.98 Professional Use of Laundry products Laundry aid (non-gasing); Manual process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.143196
9.99 Professional Use of Laundry products Laundry aid (non-gasing); Semi automatic process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.136939
9.99 Professional Use of Laundry	9.125 WATER SOFTENERS (powder, liquids, tabs)	0.140753

Worker scenarios	Consumer scenarios	Total RCR
products Laundry aid (non-gasing); Semi automatic process 9.98 Professional Use of Laundry products Laundry aid (non-gasing); Manual process	for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	
9.99 Professional Use of Laundry products Laundry aid (non-gasing); Semi automatic process 9.98 Professional Use of Laundry products Laundry aid (non-gasing); Manual process 9.59 Professional Use of Dishwash products Dishwash product; Manual process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.415574
9.98 Professional Use of Laundry products Laundry aid (non-gasing); Manual process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.136939
9.98 Professional Use of Laundry products Laundry aid (non-gasing); Manual process 9.59 Professional Use of Dishwash products Dishwash product; Manual process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.41176
9.98 Professional Use of Laundry products Laundry aid (non-gasing); Manual process 9.59 Professional Use of Dishwash products Dishwash product; Manual process 9.58 Professional Use of Dishwash products Dishwash product; Automatic process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.413667
9.59 Professional Use of Dishwash products Dishwash product; Manual process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.407946
9.59 Professional Use of Dishwash products Dishwash product; Manual process 9.58 Professional Use of Dishwash products Dishwash product; Automatic process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.409853
9.59 Professional Use of Dishwash products Dishwash product; Manual process 9.58 Professional Use of	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use	0.413132

Worker scenarios	Consumer scenarios	Total RCR
Dishwash products Dishwash product; Automatic process 9.60 Professional Use of Dishwash products Dishwash product; Semi-Automatic process	9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	
9.58 Professional Use of Dishwash products Dishwash product; Automatic process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.135032
9.58 Professional Use of Dishwash products Dishwash product; Automatic process 9.60 Professional Use of Dishwash products Dishwash product; Semi-Automatic process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.13831
9.58 Professional Use of Dishwash products Dishwash product; Automatic process 9.60 Professional Use of Dishwash products Dishwash product; Semi-Automatic process 9.61 Professional Use of Dishwash products Rinse aid; Automatic process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.140217
9.60 Professional Use of Dishwash products Dishwash product; Semi-Automatic process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.136403
9.60 Professional Use of Dishwash products Dishwash product; Semi-Automatic process 9.61 Professional Use of Dishwash products Rinse aid; Automatic process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.13831
9.60 Professional Use of Dishwash products Dishwash product; Semi-Automatic process 9.61 Professional Use of Dishwash products Rinse aid; Automatic process 9.79 Professional Use of General surface cleaning products General purpose cleaner; Manual process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.413667
9.61 Professional Use of Dishwash products Rinse aid; Automatic process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use	0.135032

Worker scenarios	Consumer scenarios	Total RCR
	9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	
9.61 Professional Use of Dishwash products Rinse aid; Automatic process 9.79 Professional Use of General surface cleaning products General purpose cleaner; Manual process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.410389
9.61 Professional Use of Dishwash products Rinse aid; Automatic process 9.79 Professional Use of General surface cleaning products General purpose cleaner; Manual process 9.80 Professional Use of General surface cleaning products General purpose cleaner; Spray and wipe manual process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.68521
9.79 Professional Use of General surface cleaning products General purpose cleaner; Manual process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.408482
9.79 Professional Use of General surface cleaning products General purpose cleaner; Manual process 9.80 Professional Use of General surface cleaning products General purpose cleaner; Spray and wipe manual process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.683303
9.79 Professional Use of General surface cleaning products General purpose cleaner; Manual process 9.80 Professional Use of General surface cleaning products General purpose cleaner; Spray and wipe manual process 9.83 Professional Use of General surface cleaning products Kitchen cleaner; Manual process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.958124
9.80 Professional Use of General surface cleaning products General purpose cleaner; Spray and wipe manual process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.407946
9.80 Professional Use of General surface cleaning products	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use	0.682767

Worker scenarios	Consumer scenarios	Total RCR
General purpose cleaner; Spray and wipe manual process 9.83 Professional Use of General surface cleaning products Kitchen cleaner; Manual process	9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	
9.80 Professional Use of General surface cleaning products General purpose cleaner; Spray and wipe manual process 9.83 Professional Use of General surface cleaning products Kitchen cleaner; Manual process 9.84 Professional Use of General surface cleaning products Kitchen cleaner; Spray and wipe manual process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.957589
9.83 Professional Use of General surface cleaning products Kitchen cleaner; Manual process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.407946
9.83 Professional Use of General surface cleaning products Kitchen cleaner; Manual process 9.84 Professional Use of General surface cleaning products Kitchen cleaner; Spray and wipe manual process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.682767
9.83 Professional Use of General surface cleaning products Kitchen cleaner; Manual process 9.84 Professional Use of General surface cleaning products Kitchen cleaner; Spray and wipe manual process 9.88 Professional Use of General surface cleaning products Sanitary cleaner; Manual process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.958124
9.84 Professional Use of General surface cleaning products Kitchen cleaner; Spray and wipe manual process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.407946
9.84 Professional Use of General surface cleaning products Kitchen cleaner; Spray and wipe manual process 9.88 Professional Use of General surface cleaning products Sanitary cleaner; Manual process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.683303

Worker scenarios	Consumer scenarios	Total RCR
9.84 Professional Use of General surface cleaning products Kitchen cleaner; Spray and wipe manual process 9.88 Professional Use of General surface cleaning products Sanitary cleaner; Manual process 9.89 Professional Use of General surface cleaning products Sanitary cleaner; Spray and wipe manual process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.958124
9.88 Professional Use of General surface cleaning products Sanitary cleaner; Manual process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.408482
9.88 Professional Use of General surface cleaning products Sanitary cleaner; Manual process 9.89 Professional Use of General surface cleaning products Sanitary cleaner; Spray and wipe manual process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.683303
9.88 Professional Use of General surface cleaning products Sanitary cleaner; Manual process 9.89 Professional Use of General surface cleaning products Sanitary cleaner; Spray and wipe manual process 9.77 Professional Use of General surface cleaning products Descaling agent; Manual process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.958124
9.89 Professional Use of General surface cleaning products Sanitary cleaner; Spray and wipe manual process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.407946
9.89 Professional Use of General surface cleaning products Sanitary cleaner; Spray and wipe manual process 9.77 Professional Use of General surface cleaning products Descaling agent; Manual process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.682767
9.89 Professional Use of General surface cleaning products Sanitary cleaner; Spray and wipe manual process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use	0.686046

Worker scenarios	Consumer scenarios	Total RCR
9.77 Professional Use of General surface cleaning products Descaling agent; Manual process 9.78 Professional Use of General surface cleaning products Descaling agent; Spray and rinse manual process	9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	
9.77 Professional Use of General surface cleaning products Descaling agent; Manual process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.407946
9.77 Professional Use of General surface cleaning products Descaling agent; Manual process 9.78 Professional Use of General surface cleaning products Descaling agent; Spray and rinse manual process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.411224
9.77 Professional Use of General surface cleaning products Descaling agent; Manual process 9.78 Professional Use of General surface cleaning products Descaling agent; Spray and rinse manual process 9.76 Professional Use of General surface cleaning products Descaling agent; Dipping process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.417182
9.78 Professional Use of General surface cleaning products Descaling agent; Spray and rinse manual process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.136403
9.78 Professional Use of General surface cleaning products Descaling agent; Spray and rinse manual process 9.76 Professional Use of General surface cleaning products Descaling agent; Dipping process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.14236
9.78 Professional Use of General surface cleaning products Descaling agent; Spray and rinse manual process 9.76 Professional Use of General surface cleaning products Descaling agent; Dipping process 9.81 Professional Use of General	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.417717

Worker scenarios	Consumer scenarios	Total RCR
surface cleaning products Glass cleaner; Manual process		
9.76 Professional Use of General surface cleaning products Descaling agent; Dipping process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.139082
9.76 Professional Use of General surface cleaning products Descaling agent; Dipping process 9.81 Professional Use of General surface cleaning products Glass cleaner; Manual process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.414439
9.76 Professional Use of General surface cleaning products Descaling agent; Dipping process 9.81 Professional Use of General surface cleaning products Glass cleaner; Manual process 9.82 Professional Use of General surface cleaning products Glass cleaner; Spray and wipe manual process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.68926
9.86 Professional Use of General surface cleaning products Oven/Grill Cleaner; Manual process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.141824
9.86 Professional Use of General surface cleaning products Oven/Grill Cleaner; Manual process 9.81 Professional Use of General surface cleaning products Glass cleaner; Manual process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.417182
9.86 Professional Use of General surface cleaning products Oven/Grill Cleaner; Manual process 9.81 Professional Use of General surface cleaning products Glass cleaner; Manual process 9.82 Professional Use of General surface cleaning products Glass cleaner; Spray and wipe manual process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.692003
9.87 Professional Use of General surface cleaning products Oven/Grill Cleaner; Spray and wipe manual process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use	0.157767

Worker scenarios	Consumer scenarios	Total RCR
	9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	
9.87 Professional Use of General surface cleaning products Oven/Grill Cleaner; Spray and wipe manual process 9.81 Professional Use of General surface cleaning products Glass cleaner; Manual process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.433124
9.87 Professional Use of General surface cleaning products Oven/Grill Cleaner; Spray and wipe manual process 9.81 Professional Use of General surface cleaning products Glass cleaner; Manual process 9.82 Professional Use of General surface cleaning products Glass cleaner; Spray and wipe manual process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.707946
9.81 Professional Use of General surface cleaning products Glass cleaner; Manual process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.408482
9.81 Professional Use of General surface cleaning products Glass cleaner; Manual process 9.82 Professional Use of General surface cleaning products Glass cleaner; Spray and wipe manual process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.683303
9.81 Professional Use of General surface cleaning products Glass cleaner; Manual process 9.82 Professional Use of General surface cleaning products Glass cleaner; Spray and wipe manual process 9.90 Professional Use of General surface cleaning products Surface disinfectant; Manual process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.686582
9.82 Professional Use of General surface cleaning products Glass cleaner; Spray and wipe manual process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.407946
9.82 Professional Use of General surface cleaning products Glass cleaner; Spray and wipe manual	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for	0.411224

Worker scenarios	Consumer scenarios	Total RCR
process 9.90 Professional Use of General surface cleaning products Surface disinfectant; Manual process	consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	
9.82 Professional Use of General surface cleaning products Glass cleaner; Spray and wipe manual process 9.90 Professional Use of General surface cleaning products Surface disinfectant; Manual process 9.91 Professional Use of General surface cleaning products Surface disinfectant; Spray and rinse manual process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.414503
9.90 Professional Use of General surface cleaning products Surface disinfectant; Manual process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.136403
9.90 Professional Use of General surface cleaning products Surface disinfectant; Manual process 9.91 Professional Use of General surface cleaning products Surface disinfectant; Spray and rinse manual process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.139682
9.90 Professional Use of General surface cleaning products Surface disinfectant; Manual process 9.91 Professional Use of General surface cleaning products Surface disinfectant; Spray and rinse manual process 9.85 Professional Use of General surface cleaning products Metal cleaning agent; Manual process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.415039
9.91 Professional Use of General surface cleaning products Surface disinfectant; Spray and rinse manual process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.136403
9.91 Professional Use of General surface cleaning products Surface disinfectant; Spray and rinse manual process 9.85 Professional Use of General surface cleaning products Metal	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer	0.41176

Worker scenarios	Consumer scenarios	Total RCR
cleaning agent; Manual process	use	
9.91 Professional Use of General surface cleaning products Surface disinfectant; Spray and rinse manual process 9.85 Professional Use of General surface cleaning products Metal cleaning agent; Manual process 9.68 Professional Use of Floor care products Floor cleaner; Semi-Automatic process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.687117
9.85 Professional Use of General surface cleaning products Metal cleaning agent; Manual process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.408482
9.85 Professional Use of General surface cleaning products Metal cleaning agent; Manual process 9.68 Professional Use of Floor care products Floor cleaner; Semi-Automatic process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.683839
9.85 Professional Use of General surface cleaning products Metal cleaning agent; Manual process 9.68 Professional Use of Floor care products Floor cleaner; Semi-Automatic process 9.69 Professional Use of Floor care products Floor cleaner; Spray and wipe manual process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.687653
9.92 Professional Use of General surface cleaning products Wet wipe; Manual process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.687053
9.68 Professional Use of Floor care products Floor cleaner; Semi-Automatic process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.408482
9.68 Professional Use of Floor care products Floor cleaner; Semi-Automatic process 9.69 Professional Use of Floor care products Floor cleaner; Spray and wipe manual process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.412296

Worker scenarios	Consumer scenarios	Total RCR
9.68 Professional Use of Floor care products Floor cleaner; Semi-Automatic process 9.69 Professional Use of Floor care products Floor cleaner; Spray and wipe manual process 9.67 Professional Use of Floor care products Floor cleaner; Manual process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.415789
9.69 Professional Use of Floor care products Floor cleaner; Spray and wipe manual process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.136939
9.69 Professional Use of Floor care products Floor cleaner; Spray and wipe manual process 9.67 Professional Use of Floor care products Floor cleaner; Manual process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.140432
9.69 Professional Use of Floor care products Floor cleaner; Spray and wipe manual process 9.67 Professional Use of Floor care products Floor cleaner; Manual process 9.70 Professional Use of Floor care products Floor stripper; Manual process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.144246
9.67 Professional Use of Floor care products Floor cleaner; Manual process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.136617
9.67 Professional Use of Floor care products Floor cleaner; Manual process 9.70 Professional Use of Floor care products Floor stripper; Manual process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.140432
9.67 Professional Use of Floor care products Floor cleaner; Manual process 9.70 Professional Use of Floor care products Floor stripper; Manual process 9.71 Professional Use of Floor care products Floor stripper; Semi-Automatic process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.144246
9.70 Professional Use of Floor	9.125 WATER SOFTENERS (powder, liquids, tabs)	0.136939

Worker scenarios	Consumer scenarios	Total RCR
care products Floor stripper; Manual process	for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	
9.70 Professional Use of Floor care products Floor stripper; Manual process 9.71 Professional Use of Floor care products Floor stripper; Semi-Automatic process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.140753
9.70 Professional Use of Floor care products Floor stripper; Manual process 9.71 Professional Use of Floor care products Floor stripper; Semi-Automatic process 9.64 Professional Use of Floor care products Carpet cleaner; Manual process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.41611
9.71 Professional Use of Floor care products Floor stripper; Semi-Automatic process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.136939
9.71 Professional Use of Floor care products Floor stripper; Semi-Automatic process 9.64 Professional Use of Floor care products Carpet cleaner; Manual process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.412296
9.71 Professional Use of Floor care products Floor stripper; Semi-Automatic process 9.64 Professional Use of Floor care products Carpet cleaner; Manual process 9.65 Professional Use of Floor care products Carpet cleaner; Semi-Automatic process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.687653
9.72 Professional Use of Floor care products Polish / impregnating agent; Manual process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.687053
9.73 Professional Use of Floor care products Polish / impregnating agent; Semi- Automatic process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use	0.687053

Worker scenarios	Consumer scenarios	Total RCR
	9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	
9.64 Professional Use of Floor care products Carpet cleaner; Manual process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.408482
9.64 Professional Use of Floor care products Carpet cleaner; Manual process 9.65 Professional Use of Floor care products Carpet cleaner; Semi-Automatic process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.683839
9.64 Professional Use of Floor care products Carpet cleaner; Manual process 9.65 Professional Use of Floor care products Carpet cleaner; Semi-Automatic process 9.107 Professional Use of Maintenance Products Leather care product; Automatic process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.95866
9.65 Professional Use of Floor care products Carpet cleaner; Semi-Automatic process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.408482
9.65 Professional Use of Floor care products Carpet cleaner; Semi-Automatic process 9.105 Professional Use of Maintenance Products Furniture care product; Manual process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.960267
9.65 Professional Use of Floor care products Carpet cleaner; Semi-Automatic process 9.105 Professional Use of Maintenance Products Furniture care product; Manual process 9.107 Professional Use of Maintenance Products Leather care product; Automatic process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.988232
9.105 Professional Use of Maintenance Products Furniture care product; Manual process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.68491

Worker scenarios	Consumer scenarios	Total RCR
9.105 Professional Use of Maintenance Products Furniture care product; Manual process 9.107 Professional Use of Maintenance Products Leather care product; Automatic process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.959732
9.105 Professional Use of Maintenance Products Furniture care product; Manual process 9.107 Professional Use of Maintenance Products Leather care product; Automatic process 9.104 Professional Use of Maintenance Products Drain unblocker; Manual process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.96301
9.108 Professional Use of Maintenance Products Leather care product; Manual process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.68491
9.108 Professional Use of Maintenance Products Leather care product; Manual process 9.107 Professional Use of Maintenance Products Leather care product; Automatic process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.959732
9.108 Professional Use of Maintenance Products Leather care product; Manual process 9.107 Professional Use of Maintenance Products Leather care product; Automatic process 9.104 Professional Use of Maintenance Products Drain unblocker; Manual process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.96301
9.107 Professional Use of Maintenance Products Leather care product; Automatic process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.407946
9.107 Professional Use of Maintenance Products Leather care product; Automatic process 9.104 Professional Use of Maintenance Products Drain unblocker; Manual process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.411224
9.107 Professional Use of Maintenance Products Leather care product; Automatic process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for	0.686046

Worker scenarios	Consumer scenarios	Total RCR
9.104 Professional Use of Maintenance Products Drain unblocker; Manual process 9.103 Professional Use of Maintenance Products Drain cleaner; Manual process	consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	
9.104 Professional Use of Maintenance Products Drain unblocker; Manual process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.136403
9.104 Professional Use of Maintenance Products Drain unblocker; Manual process 9.103 Professional Use of Maintenance Products Drain cleaner; Manual process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.411224
9.104 Professional Use of Maintenance Products Drain unblocker; Manual process 9.103 Professional Use of Maintenance Products Drain cleaner; Manual process 9.110 Professional Use of Maintenance Products Stainless steel care; Manual process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.96301
9.103 Professional Use of Maintenance Products Drain cleaner; Manual process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.407946
9.103 Professional Use of Maintenance Products Drain cleaner; Manual process 9.110 Professional Use of Maintenance Products Stainless steel care; Manual process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.959732
9.103 Professional Use of Maintenance Products Drain cleaner; Manual process 9.110 Professional Use of Maintenance Products Stainless steel care; Manual process 9.118 Professional Use of Vehicle cleaning Products Car wash product; Semi-Automatic process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.963224
9.110 Professional Use of Maintenance Products Stainless steel care; Manual process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for	0.68491

Worker scenarios	Consumer scenarios	Total RCR
	consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	
9.110 Professional Use of Maintenance Products Stainless steel care; Manual process 9.118 Professional Use of Vehicle cleaning Products Car wash product; Semi-Automatic process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.688403
9.110 Professional Use of Maintenance Products Stainless steel care; Manual process 9.118 Professional Use of Vehicle cleaning Products Car wash product; Semi-Automatic process 9.119 Professional Use of Vehicle cleaning Products Car wash product; Spray and rinse process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.691896
9.118 Professional Use of Vehicle cleaning Products Car wash product; Semi-Automatic process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.136617
9.118 Professional Use of Vehicle cleaning Products Car wash product; Semi-Automatic process 9.119 Professional Use of Vehicle cleaning Products Car wash product; Spray and rinse process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.14011
9.118 Professional Use of Vehicle cleaning Products Car wash product; Semi-Automatic process 9.119 Professional Use of Vehicle cleaning Products Car wash product; Spray and rinse process 9.120 Professional Use of Vehicle cleaning Products Car wash product; Spray and wipe manual process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.143603
9.119 Professional Use of Vehicle cleaning Products Car wash product; Spray and rinse process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.136617

Worker scenarios	Consumer scenarios	Total RCR
9.119 Professional Use of Vehicle cleaning Products Car wash product; Spray and rinse process 9.120 Professional Use of Vehicle cleaning Products Car wash product; Spray and wipe manual process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.14011
9.119 Professional Use of Vehicle cleaning Products Car wash product; Spray and rinse process 9.120 Professional Use of Vehicle cleaning Products Car wash product; Spray and wipe manual process 9.121 Professional Use of Vehicle cleaning Products Dewaxing product; Semi-Automatic process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.143603
9.120 Professional Use of Vehicle cleaning Products Car wash product; Spray and wipe manual process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.136617
9.120 Professional Use of Vehicle cleaning Products Car wash product; Spray and wipe manual process 9.121 Professional Use of Vehicle cleaning Products Dewaxing product; Semi-Automatic process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.14011
9.120 Professional Use of Vehicle cleaning Products Car wash product; Spray and wipe manual process 9.121 Professional Use of Vehicle cleaning Products Dewaxing product; Semi-Automatic process 9.116 Professional Use of Vehicle cleaning Products Boat cleaner; Manual process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.143603
9.121 Professional Use of Vehicle cleaning Products Dewaxing product; Semi-Automatic process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.136617
9.121 Professional Use of Vehicle cleaning Products Dewaxing product; Semi-	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for	0.14011

Worker scenarios	Consumer scenarios	Total RCR
Automatic process 9.116 Professional Use of Vehicle cleaning Products Boat cleaner; Manual process	consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	
9.121 Professional Use of Vehicle cleaning Products Dewaxing product; Semi-Automatic process 9.116 Professional Use of Vehicle cleaning Products Boat cleaner; Manual process 9.117 Professional Use of Vehicle cleaning Products Boat cleaner; Spray and wipe manual process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.143603
9.116 Professional Use of Vehicle cleaning Products Boat cleaner; Manual process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.136617
9.116 Professional Use of Vehicle cleaning Products Boat cleaner; Manual process 9.117 Professional Use of Vehicle cleaning Products Boat cleaner; Spray and wipe manual process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.14011
9.116 Professional Use of Vehicle cleaning Products Boat cleaner; Manual process 9.117 Professional Use of Vehicle cleaning Products Boat cleaner; Spray and wipe manual process 9.47 Industrial use of Vehicle cleaning Products Train cleaner; Semi-Automatic process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.143603
9.117 Professional Use of Vehicle cleaning Products Boat cleaner; Spray and wipe manual process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.136617
9.117 Professional Use of Vehicle cleaning Products Boat cleaner; Spray and wipe manual process 9.47 Industrial use of Vehicle cleaning Products Train cleaner; Semi-Automatic process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.14011
9.117 Professional Use of Vehicle cleaning Products Boat cleaner; Spray and wipe manual	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for	0.143603

Worker scenarios	Consumer scenarios	Total RCR
process 9.47 Industrial use of Vehicle cleaning Products Train cleaner; Semi-Automatic process 9.46 Industrial use of Vehicle cleaning Products Aeroplane cleaner; Semi-Automatic process	consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	
9.47 Industrial use of Vehicle cleaning Products Train cleaner; Semi-Automatic process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.136617
9.47 Industrial use of Vehicle cleaning Products Train cleaner; Semi-Automatic process 9.46 Industrial use of Vehicle cleaning Products Aeroplane cleaner; Semi-Automatic process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.14011
9.47 Industrial use of Vehicle cleaning Products Train cleaner; Semi-Automatic process 9.46 Industrial use of Vehicle cleaning Products Aeroplane cleaner; Semi-Automatic process 9.16 Industrial Use of Vehicle cleaning Products Car wash product; Semi-Automatic process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.143603
9.46 Industrial use of Vehicle cleaning Products Aeroplane cleaner; Semi-Automatic process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.136617
9.46 Industrial use of Vehicle cleaning Products Aeroplane cleaner; Semi-Automatic process 9.16 Industrial Use of Vehicle cleaning Products Car wash product; Semi-Automatic process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.14011
9.46 Industrial use of Vehicle cleaning Products Aeroplane cleaner; Semi-Automatic process 9.16 Industrial Use of Vehicle cleaning Products Car wash product; Semi-Automatic process 9.17 Industrial Use of Vehicle cleaning Products Car wash product; Spray and rinse process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.143603
9.16 Industrial Use of Vehicle cleaning Products Car wash product; Semi-Automatic process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for	0.136617

Worker scenarios	Consumer scenarios	Total RCR
	consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	
9.16 Industrial Use of Vehicle cleaning Products Car wash product; Semi-Automatic process 9.17 Industrial Use of Vehicle cleaning Products Car wash product; Spray and rinse process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.14011
9.16 Industrial Use of Vehicle cleaning Products Car wash product; Semi-Automatic process 9.17 Industrial Use of Vehicle cleaning Products Car wash product; Spray and rinse process 9.18 Industrial Use of Vehicle cleaning Products Car wash product; Spray and wipe manual process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.143603
9.17 Industrial Use of Vehicle cleaning Products Car wash product; Spray and rinse process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.136617
9.17 Industrial Use of Vehicle cleaning Products Car wash product; Spray and rinse process 9.18 Industrial Use of Vehicle cleaning Products Car wash product; Spray and wipe manual process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.14011
9.17 Industrial Use of Vehicle cleaning Products Car wash product; Spray and rinse process 9.18 Industrial Use of Vehicle cleaning Products Car wash product; Spray and wipe manual process 9.19 Industrial Use of Vehicle cleaning Products Dewaxing product; Semi-Automatic process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.143603
9.18 Industrial Use of Vehicle cleaning Products Car wash product; Spray and wipe manual process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.136617
9.18 Industrial Use of Vehicle cleaning Products Car wash product; Spray and wipe manual process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use	0.14011

Worker scenarios	Consumer scenarios	Total RCR
9.19 Industrial Use of Vehicle cleaning Products Dewaxing product; Semi-Automatic process	9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	
9.18 Industrial Use of Vehicle cleaning Products Car wash product; Spray and wipe manual process 9.19 Industrial Use of Vehicle cleaning Products Dewaxing product; Semi-Automatic process 9.14 Industrial Use of Vehicle cleaning Products Boat cleaner; Manual process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.143603
9.19 Industrial Use of Vehicle cleaning Products Dewaxing product; Semi-Automatic process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.136617
9.19 Industrial Use of Vehicle cleaning Products Dewaxing product; Semi-Automatic process 9.14 Industrial Use of Vehicle cleaning Products Boat cleaner; Manual process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.14011
9.19 Industrial Use of Vehicle cleaning Products Dewaxing product; Semi-Automatic process 9.14 Industrial Use of Vehicle cleaning Products Boat cleaner; Manual process 9.15 Industrial Use of Vehicle cleaning Products Boat cleaner; Spray and wipe manual process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.143603
9.14 Industrial Use of Vehicle cleaning Products Boat cleaner; Manual process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.136617
9.14 Industrial Use of Vehicle cleaning Products Boat cleaner; Manual process 9.15 Industrial Use of Vehicle cleaning Products Boat cleaner; Spray and wipe manual process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.14011
9.14 Industrial Use of Vehicle cleaning Products Boat cleaner; Manual process 9.15 Industrial Use of Vehicle cleaning Products Boat cleaner; Spray and wipe manual process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.142017

Worker scenarios	Consumer scenarios	Total RCR
9.28 Industrial use of Food beverage and pharmacos products Food process cleaner; Cleaning In place (CIP) process	use	
9.15 Industrial Use of Vehicle cleaning Products Boat cleaner; Spray and wipe manual process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.136617
9.15 Industrial Use of Vehicle cleaning Products Boat cleaner; Spray and wipe manual process 9.28 Industrial use of Food beverage and pharmacos products Food process cleaner; Cleaning In place (CIP) process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.138524
9.15 Industrial Use of Vehicle cleaning Products Boat cleaner; Spray and wipe manual process 9.28 Industrial use of Food beverage and pharmacos products Food process cleaner; Cleaning In place (CIP) process 9.29 Industrial use of Food beverage and pharmacos products Food process cleaner; Semi closed cleaning process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.140432
9.28 Industrial use of Food beverage and pharmacos products Food process cleaner; Cleaning In place (CIP) process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.135032
9.28 Industrial use of Food beverage and pharmacos products Food process cleaner; Cleaning In place (CIP) process 9.29 Industrial use of Food beverage and pharmacos products Food process cleaner; Semi closed cleaning process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.136939
9.28 Industrial use of Food beverage and pharmacos products Food process cleaner; Cleaning In place (CIP) process 9.29 Industrial use of Food beverage and pharmacos products Food process cleaner; Semi closed cleaning process 9.22 Industrial use of Food beverage and pharmacos products Chain maintenance product; Automatic spray process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.140753

Worker scenarios	Consumer scenarios	Total RCR
9.29 Industrial use of Food beverage and pharmacos products Food process cleaner; Semi closed cleaning process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.135032
9.29 Industrial use of Food beverage and pharmacos products Food process cleaner; Semi closed cleaning process 9.22 Industrial use of Food beverage and pharmacos products Chain maintenance product; Automatic spray process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.138846
9.29 Industrial use of Food beverage and pharmacos products Food process cleaner; Semi closed cleaning process 9.22 Industrial use of Food beverage and pharmacos products Chain maintenance product; Automatic spray process 9.21 Industrial use of Food beverage and pharmacos products Chain maintenance product; Automatic drip and brush process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.14266
9.22 Industrial use of Food beverage and pharmacos products Chain maintenance product; Automatic spray process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.136939
9.22 Industrial use of Food beverage and pharmacos products Chain maintenance product; Automatic spray process 9.21 Industrial use of Food beverage and pharmacos products Chain maintenance product; Automatic drip and brush process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.140753
9.22 Industrial use of Food beverage and pharmacos products Chain maintenance product; Automatic spray process 9.21 Industrial use of Food beverage and pharmacos products Chain maintenance product; Automatic drip and brush process 9.23 Industrial use of Food beverage and pharmacos products Defoaming product; Automatic process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.143196

Worker scenarios	Consumer scenarios	Total RCR
9.21 Industrial use of Food beverage and pharmacos products Chain maintenance product; Automatic drip and brush process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.136939
9.21 Industrial use of Food beverage and pharmacos products Chain maintenance product; Automatic drip and brush process 9.23 Industrial use of Food beverage and pharmacos products Defoaming product; Automatic process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.139382
9.21 Industrial use of Food beverage and pharmacos products Chain maintenance product; Automatic drip and brush process 9.23 Industrial use of Food beverage and pharmacos products Defoaming product; Automatic process 9.26 Industrial use of Food beverage and pharmacos products Foam cleaner; Semi-Automatic with venting process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.139463
9.23 Industrial use of Food beverage and pharmacos products Defoaming product; Automatic process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.135567
9.23 Industrial use of Food beverage and pharmacos products Defoaming product; Automatic process 9.26 Industrial use of Food beverage and pharmacos products Foam cleaner; Semi-Automatic with venting process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.135648
9.23 Industrial use of Food beverage and pharmacos products Defoaming product; Automatic process 9.26 Industrial use of Food beverage and pharmacos products Foam cleaner; Semi-Automatic with venting process 9.27 Industrial use of Food beverage and pharmacos products Foam cleaner; Semi-Automatic without venting process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.138927

Worker scenarios	Consumer scenarios	Total RCR
9.26 Industrial use of Food beverage and pharmacos products Foam cleaner; Semi-Automatic with venting process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.133205
9.26 Industrial use of Food beverage and pharmacos products Foam cleaner; Semi-Automatic with venting process 9.27 Industrial use of Food beverage and pharmacos products Foam cleaner; Semi-Automatic without venting process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.136484
9.26 Industrial use of Food beverage and pharmacos products Foam cleaner; Semi-Automatic with venting process 9.27 Industrial use of Food beverage and pharmacos products Foam cleaner; Semi-Automatic without venting process 9.75 Professional Use of Food beverage and pharmacos products Animal housing care; Manual process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.411841
9.27 Industrial use of Food beverage and pharmacos products Foam cleaner; Semi-Automatic without venting process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.136403
9.27 Industrial use of Food beverage and pharmacos products Foam cleaner; Semi-Automatic without venting process 9.75 Professional Use of Food beverage and pharmacos products Animal housing care; Manual process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.41176
9.27 Industrial use of Food beverage and pharmacos products Foam cleaner; Semi-Automatic without venting process 9.75 Professional Use of Food beverage and pharmacos products Animal housing care; Manual process 9.20 Industrial use of Food beverage and pharmacos products Animal housing care;	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.687117

Worker scenarios	Consumer scenarios	Total RCR
Semi-Automatic process		
9.75 Professional Use of Food beverage and pharmacos products Animal housing care; Manual process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.408482
9.75 Professional Use of Food beverage and pharmacos products Animal housing care; Manual process 9.20 Industrial use of Food beverage and pharmacos products Animal housing care; Semi-Automatic process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.683839
9.75 Professional Use of Food beverage and pharmacos products Animal housing care; Manual process 9.20 Industrial use of Food beverage and pharmacos products Animal housing care; Semi-Automatic process 9.25 Industrial use of Food beverage and pharmacos products Disinfection product; Semi-automatic process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.959196
9.20 Industrial use of Food beverage and pharmacos products Animal housing care; Semi-Automatic process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.408482
9.20 Industrial use of Food beverage and pharmacos products Animal housing care; Semi-Automatic process 9.25 Industrial use of Food beverage and pharmacos products Disinfection product; Semi-automatic process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.683839
9.20 Industrial use of Food beverage and pharmacos products Animal housing care; Semi-Automatic process 9.25 Industrial use of Food beverage and pharmacos products Disinfection product; Semi-automatic process 9.24 Industrial use of Food beverage and pharmacos products Disinfection product; Fogging and gassing Semi-automatic process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.687117

Worker scenarios	Consumer scenarios	Total RCR
9.25 Industrial use of Food beverage and pharmacos products Disinfection product; Semi-automatic process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.408482
9.25 Industrial use of Food beverage and pharmacos products Disinfection product; Semi-automatic process 9.24 Industrial use of Food beverage and pharmacos products Disinfection product; Fogging and gassing Semi-automatic process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.41176
9.25 Industrial use of Food beverage and pharmacos products Disinfection product; Semi-automatic process 9.24 Industrial use of Food beverage and pharmacos products Disinfection product; Fogging and gassing Semi-automatic process 9.62 Professional Use of Façade/surface Cleaning Products Façade/surface cleaner; High pressure process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.414878
9.24 Industrial use of Food beverage and pharmacos products Disinfection product; Fogging and gassing Semi-automatic process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.136403
9.24 Industrial use of Food beverage and pharmacos products Disinfection product; Fogging and gassing Semi-automatic process 9.62 Professional Use of Façade/surface Cleaning Products Façade/surface cleaner; High pressure process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.139521
9.24 Industrial use of Food beverage and pharmacos products Disinfection product; Fogging and gassing Semi-automatic process 9.62 Professional Use of Façade/surface Cleaning Products Façade/surface cleaner; High pressure process 9.63 Professional Use of Façade/surface Cleaning Products Façade/surface	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.142639

Worker scenarios	Consumer scenarios	Total RCR
cleaner; Medium pressure process		
9.62 Professional Use of Façade/surface Cleaning Products Façade/surface cleaner; High pressure process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.136242
9.62 Professional Use of Façade/surface Cleaning Products Façade/surface cleaner; High pressure process 9.63 Professional Use of Façade/surface Cleaning Products Façade/surface cleaner; Medium pressure process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.13936
9.62 Professional Use of Façade/surface Cleaning Products Façade/surface cleaner; High pressure process 9.63 Professional Use of Façade/surface Cleaning Products Façade/surface cleaner; Medium pressure process 9.12 Industrial Use of Façade/surface Cleaning Products Façade/surface cleaner; High pressure process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.142478
9.63 Professional Use of Façade/surface Cleaning Products Façade/surface cleaner; Medium pressure process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.136242
9.63 Professional Use of Façade/surface Cleaning Products Façade/surface cleaner; Medium pressure process 9.12 Industrial Use of Façade/surface Cleaning Products Façade/surface cleaner; High pressure process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.13936
9.63 Professional Use of Façade/surface Cleaning Products Façade/surface cleaner; Medium pressure process 9.12 Industrial Use of Façade/surface Cleaning Products Façade/surface cleaner; High pressure process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.142478

Worker scenarios	Consumer scenarios	Total RCR
9.13 Industrial Use of Façade/surface Cleaning Products Façade/surface cleaner; Medium pressure process		
9.12 Industrial Use of Façade/surface Cleaning Products Façade/surface cleaner; High pressure process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.136242
9.12 Industrial Use of Façade/surface Cleaning Products Façade/surface cleaner; High pressure process 9.13 Industrial Use of Façade/surface Cleaning Products Façade/surface cleaner; Medium pressure process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.13936
9.12 Industrial Use of Façade/surface Cleaning Products Façade/surface cleaner; High pressure process 9.13 Industrial Use of Façade/surface Cleaning Products Façade/surface cleaner; Medium pressure process 9.49 Industrial use of Water treatment Products Preservation and sanitation agent ; Process water	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.141107
9.13 Industrial Use of Façade/surface Cleaning Products Façade/surface cleaner; Medium pressure process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.136242
9.13 Industrial Use of Façade/surface Cleaning Products Façade/surface cleaner; Medium pressure process 9.49 Industrial use of Water treatment Products Preservation and sanitation agent ; Process water	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.137989
9.13 Industrial Use of Façade/surface Cleaning Products Façade/surface cleaner; Medium pressure process 9.49 Industrial use of Water	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer	0.139735

Worker scenarios	Consumer scenarios	Total RCR
treatment Products Preservation and sanitation agent ; Process water 9.48 Industrial use of Water treatment Products Preservation and sanitation agent ; Drink and pool water	use	
9.49 Industrial use of Water treatment Products Preservation and sanitation agent ; Process water	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.134871
9.49 Industrial use of Water treatment Products Preservation and sanitation agent ; Process water 9.48 Industrial use of Water treatment Products Preservation and sanitation agent ; Drink and pool water	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.136617
9.49 Industrial use of Water treatment Products Preservation and sanitation agent ; Process water 9.48 Industrial use of Water treatment Products Preservation and sanitation agent ; Drink and pool water 9.50 Industrial use of Water treatment Products Sanitation agent; Wasre water	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.139735
9.48 Industrial use of Water treatment Products Preservation and sanitation agent ; Drink and pool water	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.134871
9.48 Industrial use of Water treatment Products Preservation and sanitation agent ; Drink and pool water 9.50 Industrial use of Water treatment Products Sanitation agent; Wasre water	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.137989
9.48 Industrial use of Water treatment Products Preservation and sanitation agent ; Drink and pool water 9.50 Industrial use of Water treatment Products Sanitation agent; Wasre water 9.41 Industrial use of Metal Treatment Products* Conversion	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.138158

Worker scenarios	Consumer scenarios	Total RCR
Layer agent; Automatic process		
9.50 Industrial use of Water treatment Products Sanitation agent; Wasre water	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.136242
9.50 Industrial use of Water treatment Products Sanitation agent; Wasre water 9.41 Industrial use of Metal Treatment Products* Conversion Layer agent; Automatic process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.136412
9.50 Industrial use of Water treatment Products Sanitation agent; Wasre water 9.41 Industrial use of Metal Treatment Products* Conversion Layer agent; Automatic process 9.35 Industrial use of Metal Treatment Products Metal working fluid (rolling oils, lubricants); Automatic process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.136581
9.41 Industrial use of Metal Treatment Products* Conversion Layer agent; Automatic process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.133294
9.41 Industrial use of Metal Treatment Products* Conversion Layer agent; Automatic process 9.35 Industrial use of Metal Treatment Products Metal working fluid (rolling oils, lubricants); Automatic process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.133463
9.41 Industrial use of Metal Treatment Products* Conversion Layer agent; Automatic process 9.35 Industrial use of Metal Treatment Products Metal working fluid (rolling oils, lubricants); Automatic process 9.34 Industrial use of Metal Treatment Products Hot metal working fluid; Automatic process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.133697
9.35 Industrial use of Metal Treatment Products Metal working fluid (rolling oils, lubricants); Automatic process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.133294

Worker scenarios	Consumer scenarios	Total RCR
9.35 Industrial use of Metal Treatment Products Metal working fluid (rolling oils, lubricants); Automatic process 9.34 Industrial use of Metal Treatment Products Hot metal working fluid; Automatic process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.133527
9.35 Industrial use of Metal Treatment Products Metal working fluid (rolling oils, lubricants); Automatic process 9.34 Industrial use of Metal Treatment Products Hot metal working fluid; Automatic process 9.43 Industrial use of Metal Treatment Products* Metal cleaner (degreaser, descaler, etch); Manual process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.133662
9.34 Industrial use of Metal Treatment Products Hot metal working fluid; Automatic process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.133358
9.34 Industrial use of Metal Treatment Products Hot metal working fluid; Automatic process 9.43 Industrial use of Metal Treatment Products* Metal cleaner (degreaser, descaler, etch); Manual process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.133493
9.34 Industrial use of Metal Treatment Products Hot metal working fluid; Automatic process 9.43 Industrial use of Metal Treatment Products* Metal cleaner (degreaser, descaler, etch); Manual process 9.44 Industrial use of Metal Treatment Products* Metal cleaner (degreaser, descaler, etch); Semi-Automatic process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.133662
9.43 Industrial use of Metal Treatment Products* Metal cleaner (degreaser, descaler, etch); Manual process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.133259
9.43 Industrial use of Metal Treatment Products* Metal cleaner (degreaser, descaler, etch); Manual process 9.44 Industrial use of Metal Treatment Products* Metal	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer	0.133428

Worker scenarios	Consumer scenarios	Total RCR
cleaner (degreaser, descaler, etch); Semi-Automatic process	use	
9.43 Industrial use of Metal Treatment Products* Metal cleaner (degreaser, descaler, etch); Manual process 9.44 Industrial use of Metal Treatment Products* Metal cleaner (degreaser, descaler, etch); Semi-Automatic process 9.42 Industrial use of Metal Treatment Products* Metal cleaner (degreaser, descaler, etch); Automatic process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.133598
9.44 Industrial use of Metal Treatment Products* Metal cleaner (degreaser, descaler, etch); Semi-Automatic process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.133294
9.44 Industrial use of Metal Treatment Products* Metal cleaner (degreaser, descaler, etch); Semi-Automatic process 9.42 Industrial use of Metal Treatment Products* Metal cleaner (degreaser, descaler, etch); Automatic process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.133463
9.44 Industrial use of Metal Treatment Products* Metal cleaner (degreaser, descaler, etch); Semi-Automatic process 9.42 Industrial use of Metal Treatment Products* Metal cleaner (degreaser, descaler, etch); Automatic process 9.38 Industrial use of Metal Treatment Products* Coating product (Paint, Filler, Putty, Thinner); Automatic process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.133697
9.42 Industrial use of Metal Treatment Products* Metal cleaner (degreaser, descaler, etch); Automatic process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.133294
9.42 Industrial use of Metal Treatment Products* Metal cleaner (degreaser, descaler, etch); Automatic process 9.38 Industrial use of Metal Treatment Products* Coating product (Paint, Filler, Putty, Thinner); Automatic process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.133527

Worker scenarios	Consumer scenarios	Total RCR
9.42 Industrial use of Metal Treatment Products* Metal cleaner (degreaser, descaler, etch); Automatic process 9.38 Industrial use of Metal Treatment Products* Coating product (Paint, Filler, Putty, Thinner); Automatic process 9.36 Industrial use of Metal Treatment Products Surface finishing product; Manual with no process water recycling process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.133608
9.38 Industrial use of Metal Treatment Products* Coating product (Paint, Filler, Putty, Thinner); Automatic process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.133358
9.38 Industrial use of Metal Treatment Products* Coating product (Paint, Filler, Putty, Thinner); Automatic process 9.36 Industrial use of Metal Treatment Products Surface finishing product; Manual with no process water recycling process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.133439
9.38 Industrial use of Metal Treatment Products* Coating product (Paint, Filler, Putty, Thinner); Automatic process 9.36 Industrial use of Metal Treatment Products Surface finishing product; Manual with no process water recycling process 9.37 Industrial use of Metal Treatment Products Surface finishing product; Manual with water recycling process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.13352
9.40 Industrial use of Metal Treatment Products* Coating product (Paint, Filler, Putty, Thinner); Semi-Automatic process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.133473
9.40 Industrial use of Metal Treatment Products* Coating product (Paint, Filler, Putty, Thinner); Semi-Automatic process 9.36 Industrial use of Metal Treatment Products Surface finishing product; Manual with	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.133554

Worker scenarios	Consumer scenarios	Total RCR
no process water recycling process		
<p>9.40 Industrial use of Metal Treatment Products* Coating product (Paint, Filler, Putty, Thinner); Semi-Automatic process</p> <p>9.36 Industrial use of Metal Treatment Products Surface finishing product; Manual with no process water recycling process</p> <p>9.37 Industrial use of Metal Treatment Products Surface finishing product; Manual with water recycling process</p>	<p>9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use</p> <p>9.57 OVEN CLEANERS (spray, trigger) for consumer use</p> <p>9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use</p>	0.133635
<p>9.39 Industrial use of Metal Treatment Products* Coating product (Paint, Filler, Putty, Thinner); Manual process</p>	<p>9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use</p> <p>9.57 OVEN CLEANERS (spray, trigger) for consumer use</p> <p>9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use</p>	0.133473
<p>9.39 Industrial use of Metal Treatment Products* Coating product (Paint, Filler, Putty, Thinner); Manual process</p> <p>9.36 Industrial use of Metal Treatment Products Surface finishing product; Manual with no process water recycling process</p>	<p>9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use</p> <p>9.57 OVEN CLEANERS (spray, trigger) for consumer use</p> <p>9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use</p>	0.133554
<p>9.39 Industrial use of Metal Treatment Products* Coating product (Paint, Filler, Putty, Thinner); Manual process</p> <p>9.36 Industrial use of Metal Treatment Products Surface finishing product; Manual with no process water recycling process</p> <p>9.37 Industrial use of Metal Treatment Products Surface finishing product; Manual with water recycling process</p>	<p>9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use</p> <p>9.57 OVEN CLEANERS (spray, trigger) for consumer use</p> <p>9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use</p>	0.133635
<p>9.36 Industrial use of Metal Treatment Products Surface finishing product; Manual with no process water recycling process</p>	<p>9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use</p> <p>9.57 OVEN CLEANERS (spray, trigger) for consumer use</p> <p>9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use</p>	0.133205
<p>9.36 Industrial use of Metal Treatment Products Surface finishing product; Manual with no process water recycling</p>	<p>9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use</p> <p>9.57 OVEN CLEANERS (spray, trigger) for consumer use</p>	0.133286

Worker scenarios	Consumer scenarios	Total RCR
process 9.37 Industrial use of Metal Treatment Products Surface finishing product; Manual with water recycling process	9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	
9.36 Industrial use of Metal Treatment Products Surface finishing product; Manual with no process water recycling process 9.37 Industrial use of Metal Treatment Products Surface finishing product; Manual with water recycling process 9.114 Professional Use of Medical Devices Medical devices ; Semi-automatic process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.133528
9.37 Industrial use of Metal Treatment Products Surface finishing product; Manual with water recycling process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.133205
9.37 Industrial use of Metal Treatment Products Surface finishing product; Manual with water recycling process 9.114 Professional Use of Medical Devices Medical devices ; Semi-automatic process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.133447
9.37 Industrial use of Metal Treatment Products Surface finishing product; Manual with water recycling process 9.114 Professional Use of Medical Devices Medical devices ; Semi-automatic process 9.112 Professional Use of Medical Devices Medical devices ; Dipping process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.133582
9.114 Professional Use of Medical Devices Medical devices ; Semi-automatic process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.133366
9.114 Professional Use of Medical Devices Medical devices ; Semi-automatic process 9.112 Professional Use of Medical Devices Medical devices ; Dipping process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.133501
9.114 Professional Use of	9.125 WATER SOFTENERS (powder, liquids, tabs)	0.408858

Worker scenarios	Consumer scenarios	Total RCR
Medical Devices Medical devices ; Semi-automatic process 9.112 Professional Use of Medical Devices Medical devices ; Dipping process 9.113 Professional Use of Medical Devices Medical devices ; Manual process	for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	
9.112 Professional Use of Medical Devices Medical devices ; Dipping process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.133259
9.112 Professional Use of Medical Devices Medical devices ; Dipping process 9.113 Professional Use of Medical Devices Medical devices ; Manual process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.408616
9.112 Professional Use of Medical Devices Medical devices ; Dipping process 9.113 Professional Use of Medical Devices Medical devices ; Manual process 9.115 Professional Use of Medical Devices Medical devices ; Spray process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.683438
9.113 Professional Use of Medical Devices Medical devices ; Manual process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.408482
9.113 Professional Use of Medical Devices Medical devices ; Manual process 9.115 Professional Use of Medical Devices Medical devices ; Spray process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.683303
9.113 Professional Use of Medical Devices Medical devices ; Manual process 9.115 Professional Use of Medical Devices Medical devices ; Spray process 9.55 Laboratory Use Laboratory Reagents	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.684096
9.115 Professional Use of Medical Devices Medical devices ; Spray process	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for	0.407946

Worker scenarios	Consumer scenarios	Total RCR
	consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	
9.115 Professional Use of Medical Devices Medical devices ; Spray process 9.55 Laboratory Use Laboratory Reagents	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.408739
9.115 Professional Use of Medical Devices Medical devices ; Spray process 9.55 Laboratory Use Laboratory Reagents 9.45 Industrial use of Quality control Laboratory Reagents	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.409478
9.55 Laboratory Use Laboratory Reagents	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.133917
9.55 Laboratory Use Laboratory Reagents 9.45 Industrial use of Quality control Laboratory Reagents	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.134657
9.45 Industrial use of Quality control Laboratory Reagents	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.133864
-	9.125 WATER SOFTENERS (powder, liquids, tabs) for consumer use 9.57 OVEN CLEANERS (spray, trigger) for consumer use 9.1 AIR FRESHENERS AEROSOL (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use	0.133124
9.33 Industrial use of Laundry products Laundry detergent; Automatic process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.077864
9.33 Industrial use of Laundry	9.7 FABRIC CONDITIONERS (liquid regular, liquid	0.081678

Worker scenarios	Consumer scenarios	Total RCR
<p>products Laundry detergent; Automatic process 9.101 Professional Use of Laundry products Laundry detergent; Semi automatic process</p>	<p>concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS</p>	
<p>9.33 Industrial use of Laundry products Laundry detergent; Automatic process 9.101 Professional Use of Laundry products Laundry detergent; Semi automatic process 9.100 Professional Use of Laundry products Laundry detergent; Manual process</p>	<p>9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS</p>	0.085493
<p>9.101 Professional Use of Laundry products Laundry detergent; Semi automatic process</p>	<p>9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS</p>	0.079236
<p>9.101 Professional Use of Laundry products Laundry detergent; Semi automatic process 9.100 Professional Use of Laundry products Laundry detergent; Manual process</p>	<p>9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS</p>	0.08305
<p>9.101 Professional Use of Laundry products Laundry detergent; Semi automatic process 9.100 Professional Use of Laundry products Laundry detergent; Manual process 9.30 Industrial use of Laundry products Conditioner (softner/starch); Automatic process</p>	<p>9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS</p>	0.085493
<p>9.100 Professional Use of Laundry products Laundry detergent; Manual process</p>	<p>9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS</p>	0.079236
<p>9.100 Professional Use of Laundry products Laundry detergent; Manual process 9.30 Industrial use of Laundry</p>	<p>9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte</p>	0.081678

Worker scenarios	Consumer scenarios	Total RCR
products Conditioner (softner/starch); Automatic process	(gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	
9.100 Professional Use of Laundry products Laundry detergent; Manual process 9.30 Industrial use of Laundry products Conditioner (softner/starch); Automatic process 9.95 Professional Use of Laundry products Conditioner (softner/starch); Semi automatic process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.085493
9.30 Industrial use of Laundry products Conditioner (softner/starch); Automatic process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.077864
9.30 Industrial use of Laundry products Conditioner (softner/starch); Automatic process 9.95 Professional Use of Laundry products Conditioner (softner/starch); Semi automatic process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.081678
9.30 Industrial use of Laundry products Conditioner (softner/starch); Automatic process 9.95 Professional Use of Laundry products Conditioner (softner/starch); Semi automatic process 9.94 Professional Use of Laundry products Conditioner (softner/starch); Manual process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.085493
9.95 Professional Use of Laundry products Conditioner (softner/starch); Semi automatic process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.079236
9.95 Professional Use of Laundry products Conditioner (softner/starch); Semi automatic process 9.94 Professional Use of Laundry products Conditioner	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE	0.08305

Worker scenarios	Consumer scenarios	Total RCR
(softner/starch); Manual process	(spray, liquid) for consumer use 9.5 DESCALERS	
9.95 Professional Use of Laundry products Conditioner (softner/starch); Semi automatic process 9.94 Professional Use of Laundry products Conditioner (softner/starch); Manual process 9.31 Industrial use of Laundry products Laundry aid (gasing); Automatic process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.085493
9.94 Professional Use of Laundry products Conditioner (softner/starch); Manual process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.079236
9.94 Professional Use of Laundry products Conditioner (softner/starch); Manual process 9.31 Industrial use of Laundry products Laundry aid (gasing); Automatic process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.081678
9.94 Professional Use of Laundry products Conditioner (softner/starch); Manual process 9.31 Industrial use of Laundry products Laundry aid (gasing); Automatic process 9.97 Professional Use of Laundry products Laundry aid (gasing); Semi automatic process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.085493
9.31 Industrial use of Laundry products Laundry aid (gasing); Automatic process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.077864
9.31 Industrial use of Laundry products Laundry aid (gasing); Automatic process 9.97 Professional Use of Laundry products Laundry aid (gasing); Semi automatic process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.081678
9.31 Industrial use of Laundry products Laundry aid (gasing); Automatic process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-	0.085493

Worker scenarios	Consumer scenarios	Total RCR
9.97 Professional Use of Laundry products Laundry aid (gasing); Semi automatic process 9.96 Professional Use of Laundry products Laundry aid (gasing); Manual process	release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	
9.97 Professional Use of Laundry products Laundry aid (gasing); Semi automatic process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.079236
9.97 Professional Use of Laundry products Laundry aid (gasing); Semi automatic process 9.96 Professional Use of Laundry products Laundry aid (gasing); Manual process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.08305
9.97 Professional Use of Laundry products Laundry aid (gasing); Semi automatic process 9.96 Professional Use of Laundry products Laundry aid (gasing); Manual process 9.32 Industrial use of Laundry products Laundry aid (non-gasing); Automatic process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.085493
9.96 Professional Use of Laundry products Laundry aid (gasing); Manual process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.079236
9.96 Professional Use of Laundry products Laundry aid (gasing); Manual process 9.32 Industrial use of Laundry products Laundry aid (non-gasing); Automatic process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.081678
9.96 Professional Use of Laundry products Laundry aid (gasing); Manual process 9.32 Industrial use of Laundry products Laundry aid (non-gasing); Automatic process 9.99 Professional Use of Laundry products Laundry aid (non-gasing); Semi automatic process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.085493

Worker scenarios	Consumer scenarios	Total RCR
9.32 Industrial use of Laundry products Laundry aid (non-gasing); Automatic process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.077864
9.32 Industrial use of Laundry products Laundry aid (non-gasing); Automatic process 9.99 Professional Use of Laundry products Laundry aid (non-gasing); Semi automatic process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.081678
9.32 Industrial use of Laundry products Laundry aid (non-gasing); Automatic process 9.99 Professional Use of Laundry products Laundry aid (non-gasing); Semi automatic process 9.98 Professional Use of Laundry products Laundry aid (non-gasing); Manual process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.085493
9.99 Professional Use of Laundry products Laundry aid (non-gasing); Semi automatic process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.079236
9.99 Professional Use of Laundry products Laundry aid (non-gasing); Semi automatic process 9.98 Professional Use of Laundry products Laundry aid (non-gasing); Manual process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.08305
9.99 Professional Use of Laundry products Laundry aid (non-gasing); Semi automatic process 9.98 Professional Use of Laundry products Laundry aid (non-gasing); Manual process 9.59 Professional Use of Dishwash products Dishwash product; Manual process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.357871
9.98 Professional Use of Laundry products Laundry aid (non-gasing); Manual process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE	0.079236

Worker scenarios	Consumer scenarios	Total RCR
	(spray, liquid) for consumer use 9.5 DESCALERS	
9.98 Professional Use of Laundry products Laundry aid (non-gasing); Manual process 9.59 Professional Use of Dishwash products Dishwash product; Manual process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.354057
9.98 Professional Use of Laundry products Laundry aid (non-gasing); Manual process 9.59 Professional Use of Dishwash products Dishwash product; Manual process 9.58 Professional Use of Dishwash products Dishwash product; Automatic process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.355964
9.59 Professional Use of Dishwash products Dishwash product; Manual process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.350243
9.59 Professional Use of Dishwash products Dishwash product; Manual process 9.58 Professional Use of Dishwash products Dishwash product; Automatic process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.35215
9.59 Professional Use of Dishwash products Dishwash product; Manual process 9.58 Professional Use of Dishwash products Dishwash product; Automatic process 9.60 Professional Use of Dishwash products Dishwash product; Semi-Automatic process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.355428
9.58 Professional Use of Dishwash products Dishwash product; Automatic process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.077328
9.58 Professional Use of Dishwash products Dishwash product; Automatic process 9.60 Professional Use of	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte	0.080607

Worker scenarios	Consumer scenarios	Total RCR
Dishwash products Dishwash product; Semi-Automatic process	(gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	
9.58 Professional Use of Dishwash products Dishwash product; Automatic process 9.60 Professional Use of Dishwash products Dishwash product; Semi-Automatic process 9.61 Professional Use of Dishwash products Rinse aid; Automatic process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substate (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.082514
9.60 Professional Use of Dishwash products Dishwash product; Semi-Automatic process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substate (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.0787
9.60 Professional Use of Dishwash products Dishwash product; Semi-Automatic process 9.61 Professional Use of Dishwash products Rinse aid; Automatic process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substate (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.080607
9.60 Professional Use of Dishwash products Dishwash product; Semi-Automatic process 9.61 Professional Use of Dishwash products Rinse aid; Automatic process 9.79 Professional Use of General surface cleaning products General purpose cleaner; Manual process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substate (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.355964
9.61 Professional Use of Dishwash products Rinse aid; Automatic process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substate (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.077328
9.61 Professional Use of Dishwash products Rinse aid; Automatic process 9.79 Professional Use of General surface cleaning products General purpose cleaner; Manual process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substate (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.352686
9.61 Professional Use of	9.7 FABRIC CONDITIONERS (liquid regular, liquid	0.627507

Worker scenarios	Consumer scenarios	Total RCR
Dishwash products Rinse aid; Automatic process 9.79 Professional Use of General surface cleaning products General purpose cleaner; Manual process 9.80 Professional Use of General surface cleaning products General purpose cleaner; Spray and wipe manual process	concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	
9.79 Professional Use of General surface cleaning products General purpose cleaner; Manual process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.350778
9.79 Professional Use of General surface cleaning products General purpose cleaner; Manual process 9.80 Professional Use of General surface cleaning products General purpose cleaner; Spray and wipe manual process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.6256
9.79 Professional Use of General surface cleaning products General purpose cleaner; Manual process 9.80 Professional Use of General surface cleaning products General purpose cleaner; Spray and wipe manual process 9.83 Professional Use of General surface cleaning products Kitchen cleaner; Manual process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.900421
9.80 Professional Use of General surface cleaning products General purpose cleaner; Spray and wipe manual process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.350243
9.80 Professional Use of General surface cleaning products General purpose cleaner; Spray and wipe manual process 9.83 Professional Use of General surface cleaning products Kitchen cleaner; Manual process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.625064
9.80 Professional Use of General surface cleaning products General purpose cleaner; Spray	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-	0.899886

Worker scenarios	Consumer scenarios	Total RCR
and wipe manual process 9.83 Professional Use of General surface cleaning products Kitchen cleaner; Manual process 9.84 Professional Use of General surface cleaning products Kitchen cleaner; Spray and wipe manual process	release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	
9.83 Professional Use of General surface cleaning products Kitchen cleaner; Manual process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.350243
9.83 Professional Use of General surface cleaning products Kitchen cleaner; Manual process 9.84 Professional Use of General surface cleaning products Kitchen cleaner; Spray and wipe manual process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.625064
9.83 Professional Use of General surface cleaning products Kitchen cleaner; Manual process 9.84 Professional Use of General surface cleaning products Kitchen cleaner; Spray and wipe manual process 9.88 Professional Use of General surface cleaning products Sanitary cleaner; Manual process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.900421
9.84 Professional Use of General surface cleaning products Kitchen cleaner; Spray and wipe manual process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.350243
9.84 Professional Use of General surface cleaning products Kitchen cleaner; Spray and wipe manual process 9.88 Professional Use of General surface cleaning products Sanitary cleaner; Manual process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.6256
9.84 Professional Use of General surface cleaning products Kitchen cleaner; Spray and wipe manual process 9.88 Professional Use of General	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use	0.900421

Worker scenarios	Consumer scenarios	Total RCR
surface cleaning products Sanitary cleaner; Manual process 9.89 Professional Use of General surface cleaning products Sanitary cleaner; Spray and wipe manual process	9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	
9.88 Professional Use of General surface cleaning products Sanitary cleaner; Manual process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.350778
9.88 Professional Use of General surface cleaning products Sanitary cleaner; Manual process 9.89 Professional Use of General surface cleaning products Sanitary cleaner; Spray and wipe manual process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.6256
9.88 Professional Use of General surface cleaning products Sanitary cleaner; Manual process 9.89 Professional Use of General surface cleaning products Sanitary cleaner; Spray and wipe manual process 9.77 Professional Use of General surface cleaning products Descaling agent; Manual process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.900421
9.89 Professional Use of General surface cleaning products Sanitary cleaner; Spray and wipe manual process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.350243
9.89 Professional Use of General surface cleaning products Sanitary cleaner; Spray and wipe manual process 9.77 Professional Use of General surface cleaning products Descaling agent; Manual process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.625064
9.89 Professional Use of General surface cleaning products Sanitary cleaner; Spray and wipe manual process 9.77 Professional Use of General surface cleaning products	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE	0.628343

Worker scenarios	Consumer scenarios	Total RCR
Descaling agent; Manual process 9.78 Professional Use of General surface cleaning products Descaling agent; Spray and rinse manual process	(spray, liquid) for consumer use 9.5 DESCALERS	
9.77 Professional Use of General surface cleaning products Descaling agent; Manual process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substate (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.350243
9.77 Professional Use of General surface cleaning products Descaling agent; Manual process 9.78 Professional Use of General surface cleaning products Descaling agent; Spray and rinse manual process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substate (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.353521
9.77 Professional Use of General surface cleaning products Descaling agent; Manual process 9.78 Professional Use of General surface cleaning products Descaling agent; Spray and rinse manual process 9.76 Professional Use of General surface cleaning products Descaling agent; Dipping process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substate (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.359478
9.78 Professional Use of General surface cleaning products Descaling agent; Spray and rinse manual process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substate (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.0787
9.78 Professional Use of General surface cleaning products Descaling agent; Spray and rinse manual process 9.76 Professional Use of General surface cleaning products Descaling agent; Dipping process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substate (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.084657
9.78 Professional Use of General surface cleaning products Descaling agent; Spray and rinse manual process 9.76 Professional Use of General surface cleaning products Descaling agent; Dipping process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substate (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.360014

Worker scenarios	Consumer scenarios	Total RCR
9.81 Professional Use of General surface cleaning products Glass cleaner; Manual process		
9.76 Professional Use of General surface cleaning products Descaling agent; Dipping process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substate (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.081378
9.76 Professional Use of General surface cleaning products Descaling agent; Dipping process 9.81 Professional Use of General surface cleaning products Glass cleaner; Manual process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substate (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.356736
9.76 Professional Use of General surface cleaning products Descaling agent; Dipping process 9.81 Professional Use of General surface cleaning products Glass cleaner; Manual process 9.82 Professional Use of General surface cleaning products Glass cleaner; Spray and wipe manual process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substate (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.631557
9.86 Professional Use of General surface cleaning products Oven/Grill Cleaner; Manual process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substate (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.084121
9.86 Professional Use of General surface cleaning products Oven/Grill Cleaner; Manual process 9.81 Professional Use of General surface cleaning products Glass cleaner; Manual process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substate (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.359478
9.86 Professional Use of General surface cleaning products Oven/Grill Cleaner; Manual process 9.81 Professional Use of General surface cleaning products Glass cleaner; Manual process 9.82 Professional Use of General surface cleaning products Glass cleaner; Spray and wipe manual	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substate (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.6343

Worker scenarios	Consumer scenarios	Total RCR
process		
9.87 Professional Use of General surface cleaning products Oven/Grill Cleaner; Spray and wipe manual process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.100064
9.87 Professional Use of General surface cleaning products Oven/Grill Cleaner; Spray and wipe manual process 9.81 Professional Use of General surface cleaning products Glass cleaner; Manual process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.375421
9.87 Professional Use of General surface cleaning products Oven/Grill Cleaner; Spray and wipe manual process 9.81 Professional Use of General surface cleaning products Glass cleaner; Manual process 9.82 Professional Use of General surface cleaning products Glass cleaner; Spray and wipe manual process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.650243
9.81 Professional Use of General surface cleaning products Glass cleaner; Manual process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.350778
9.81 Professional Use of General surface cleaning products Glass cleaner; Manual process 9.82 Professional Use of General surface cleaning products Glass cleaner; Spray and wipe manual process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.6256
9.81 Professional Use of General surface cleaning products Glass cleaner; Manual process 9.82 Professional Use of General surface cleaning products Glass cleaner; Spray and wipe manual process 9.90 Professional Use of General surface cleaning products Surface disinfectant; Manual process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.628878
9.82 Professional Use of General	9.7 FABRIC CONDITIONERS (liquid regular, liquid	0.350243

Worker scenarios	Consumer scenarios	Total RCR
surface cleaning products Glass cleaner; Spray and wipe manual process	concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	
9.82 Professional Use of General surface cleaning products Glass cleaner; Spray and wipe manual process 9.90 Professional Use of General surface cleaning products Surface disinfectant; Manual process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.353521
9.82 Professional Use of General surface cleaning products Glass cleaner; Spray and wipe manual process 9.90 Professional Use of General surface cleaning products Surface disinfectant; Manual process 9.91 Professional Use of General surface cleaning products Surface disinfectant; Spray and rinse manual process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.3568
9.90 Professional Use of General surface cleaning products Surface disinfectant; Manual process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.0787
9.90 Professional Use of General surface cleaning products Surface disinfectant; Manual process 9.91 Professional Use of General surface cleaning products Surface disinfectant; Spray and rinse manual process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.081978
9.90 Professional Use of General surface cleaning products Surface disinfectant; Manual process 9.91 Professional Use of General surface cleaning products Surface disinfectant; Spray and rinse manual process 9.85 Professional Use of General surface cleaning products Metal cleaning agent; Manual process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.357336
9.91 Professional Use of General surface cleaning products	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use	0.0787

Worker scenarios	Consumer scenarios	Total RCR
Surface disinfectant; Spray and rinse manual process	9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substate (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	
9.91 Professional Use of General surface cleaning products Surface disinfectant; Spray and rinse manual process 9.85 Professional Use of General surface cleaning products Metal cleaning agent; Manual process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substate (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.354057
9.91 Professional Use of General surface cleaning products Surface disinfectant; Spray and rinse manual process 9.85 Professional Use of General surface cleaning products Metal cleaning agent; Manual process 9.68 Professional Use of Floor care products Floor cleaner; Semi-Automatic process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substate (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.629414
9.85 Professional Use of General surface cleaning products Metal cleaning agent; Manual process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substate (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.350778
9.85 Professional Use of General surface cleaning products Metal cleaning agent; Manual process 9.68 Professional Use of Floor care products Floor cleaner; Semi-Automatic process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substate (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.626136
9.85 Professional Use of General surface cleaning products Metal cleaning agent; Manual process 9.68 Professional Use of Floor care products Floor cleaner; Semi-Automatic process 9.69 Professional Use of Floor care products Floor cleaner; Spray and wipe manual process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substate (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.62995
9.92 Professional Use of General surface cleaning products Wet wipe; Manual process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substate (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use	0.62935

Worker scenarios	Consumer scenarios	Total RCR
	9.5 DESCALERS	
9.68 Professional Use of Floor care products Floor cleaner; Semi-Automatic process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substate (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.350778
9.68 Professional Use of Floor care products Floor cleaner; Semi-Automatic process 9.69 Professional Use of Floor care products Floor cleaner; Spray and wipe manual process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substate (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.354593
9.68 Professional Use of Floor care products Floor cleaner; Semi-Automatic process 9.69 Professional Use of Floor care products Floor cleaner; Spray and wipe manual process 9.67 Professional Use of Floor care products Floor cleaner; Manual process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substate (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.358086
9.69 Professional Use of Floor care products Floor cleaner; Spray and wipe manual process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substate (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.079236
9.69 Professional Use of Floor care products Floor cleaner; Spray and wipe manual process 9.67 Professional Use of Floor care products Floor cleaner; Manual process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substate (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.082728
9.69 Professional Use of Floor care products Floor cleaner; Spray and wipe manual process 9.67 Professional Use of Floor care products Floor cleaner; Manual process 9.70 Professional Use of Floor care products Floor stripper; Manual process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substate (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.086543
9.67 Professional Use of Floor care products Floor cleaner; Manual process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substate (gel), candles, diffusers (heated) for consumer use	0.078914

Worker scenarios	Consumer scenarios	Total RCR
	9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	
9.67 Professional Use of Floor care products Floor cleaner; Manual process 9.70 Professional Use of Floor care products Floor stripper; Manual process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.082728
9.67 Professional Use of Floor care products Floor cleaner; Manual process 9.70 Professional Use of Floor care products Floor stripper; Manual process 9.71 Professional Use of Floor care products Floor stripper; Semi-Automatic process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.086543
9.70 Professional Use of Floor care products Floor stripper; Manual process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.079236
9.70 Professional Use of Floor care products Floor stripper; Manual process 9.71 Professional Use of Floor care products Floor stripper; Semi-Automatic process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.08305
9.70 Professional Use of Floor care products Floor stripper; Manual process 9.71 Professional Use of Floor care products Floor stripper; Semi-Automatic process 9.64 Professional Use of Floor care products Carpet cleaner; Manual process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.358407
9.71 Professional Use of Floor care products Floor stripper; Semi-Automatic process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.079236
9.71 Professional Use of Floor care products Floor stripper; Semi-Automatic process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-	0.354593

Worker scenarios	Consumer scenarios	Total RCR
9.64 Professional Use of Floor care products Carpet cleaner; Manual process	release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	
9.71 Professional Use of Floor care products Floor stripper; Semi-Automatic process 9.64 Professional Use of Floor care products Carpet cleaner; Manual process 9.65 Professional Use of Floor care products Carpet cleaner; Semi-Automatic process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.62995
9.72 Professional Use of Floor care products Polish / impregnating agent; Manual process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.62935
9.73 Professional Use of Floor care products Polish / impregnating agent; Semi-Automatic process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.62935
9.64 Professional Use of Floor care products Carpet cleaner; Manual process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.350778
9.64 Professional Use of Floor care products Carpet cleaner; Manual process 9.65 Professional Use of Floor care products Carpet cleaner; Semi-Automatic process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.626136
9.64 Professional Use of Floor care products Carpet cleaner; Manual process 9.65 Professional Use of Floor care products Carpet cleaner; Semi-Automatic process 9.107 Professional Use of Maintenance Products Leather care product; Automatic process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.900957
9.65 Professional Use of Floor	9.7 FABRIC CONDITIONERS (liquid regular, liquid	0.350778

Worker scenarios	Consumer scenarios	Total RCR
care products Carpet cleaner; Semi-Automatic process	concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	
9.65 Professional Use of Floor care products Carpet cleaner; Semi-Automatic process 9.105 Professional Use of Maintenance Products Furniture care product; Manual process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.902564
9.65 Professional Use of Floor care products Carpet cleaner; Semi-Automatic process 9.105 Professional Use of Maintenance Products Furniture care product; Manual process 9.107 Professional Use of Maintenance Products Leather care product; Automatic process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.930528
9.105 Professional Use of Maintenance Products Furniture care product; Manual process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.627207
9.105 Professional Use of Maintenance Products Furniture care product; Manual process 9.107 Professional Use of Maintenance Products Leather care product; Automatic process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.902028
9.105 Professional Use of Maintenance Products Furniture care product; Manual process 9.107 Professional Use of Maintenance Products Leather care product; Automatic process 9.104 Professional Use of Maintenance Products Drain unblocker; Manual process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.905307
9.108 Professional Use of Maintenance Products Leather care product; Manual process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use	0.627207

Worker scenarios	Consumer scenarios	Total RCR
	9.5 DESCALERS	
9.108 Professional Use of Maintenance Products Leather care product; Manual process 9.107 Professional Use of Maintenance Products Leather care product; Automatic process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.902028
9.108 Professional Use of Maintenance Products Leather care product; Manual process 9.107 Professional Use of Maintenance Products Leather care product; Automatic process 9.104 Professional Use of Maintenance Products Drain unblocker; Manual process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.905307
9.107 Professional Use of Maintenance Products Leather care product; Automatic process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.350243
9.107 Professional Use of Maintenance Products Leather care product; Automatic process 9.104 Professional Use of Maintenance Products Drain unblocker; Manual process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.353521
9.107 Professional Use of Maintenance Products Leather care product; Automatic process 9.104 Professional Use of Maintenance Products Drain unblocker; Manual process 9.103 Professional Use of Maintenance Products Drain cleaner; Manual process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.628343
9.104 Professional Use of Maintenance Products Drain unblocker; Manual process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.0787
9.104 Professional Use of Maintenance Products Drain unblocker; Manual process 9.103 Professional Use of Maintenance Products Drain	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use	0.353521

Worker scenarios	Consumer scenarios	Total RCR
cleaner; Manual process	9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	
9.104 Professional Use of Maintenance Products Drain unblocker; Manual process 9.103 Professional Use of Maintenance Products Drain cleaner; Manual process 9.110 Professional Use of Maintenance Products Stainless steel care; Manual process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substate (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.905307
9.103 Professional Use of Maintenance Products Drain cleaner; Manual process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substate (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.350243
9.103 Professional Use of Maintenance Products Drain cleaner; Manual process 9.110 Professional Use of Maintenance Products Stainless steel care; Manual process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substate (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.902028
9.103 Professional Use of Maintenance Products Drain cleaner; Manual process 9.110 Professional Use of Maintenance Products Stainless steel care; Manual process 9.118 Professional Use of Vehicle cleaning Products Car wash product; Semi-Automatic process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substate (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.905521
9.110 Professional Use of Maintenance Products Stainless steel care; Manual process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substate (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.627207
9.110 Professional Use of Maintenance Products Stainless steel care; Manual process 9.118 Professional Use of Vehicle cleaning Products Car wash product; Semi-Automatic process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substate (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.6307
9.110 Professional Use of Maintenance Products Stainless	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use	0.634193

Worker scenarios	Consumer scenarios	Total RCR
steel care; Manual process 9.118 Professional Use of Vehicle cleaning Products Car wash product; Semi-Automatic process 9.119 Professional Use of Vehicle cleaning Products Car wash product; Spray and rinse process	9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	
9.118 Professional Use of Vehicle cleaning Products Car wash product; Semi-Automatic process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.078914
9.118 Professional Use of Vehicle cleaning Products Car wash product; Semi-Automatic process 9.119 Professional Use of Vehicle cleaning Products Car wash product; Spray and rinse process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.082407
9.118 Professional Use of Vehicle cleaning Products Car wash product; Semi-Automatic process 9.119 Professional Use of Vehicle cleaning Products Car wash product; Spray and rinse process 9.120 Professional Use of Vehicle cleaning Products Car wash product; Spray and wipe manual process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.0859
9.119 Professional Use of Vehicle cleaning Products Car wash product; Spray and rinse process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.078914
9.119 Professional Use of Vehicle cleaning Products Car wash product; Spray and rinse process 9.120 Professional Use of Vehicle cleaning Products Car wash product; Spray and wipe manual process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.082407
9.119 Professional Use of Vehicle cleaning Products Car wash product; Spray and rinse	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-	0.0859

Worker scenarios	Consumer scenarios	Total RCR
<p>process</p> <p>9.120 Professional Use of Vehicle cleaning Products Car wash product; Spray and wipe manual process</p> <p>9.121 Professional Use of Vehicle cleaning Products Dewaxing product; Semi-Automatic process</p>	<p>release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use</p> <p>9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use</p> <p>9.5 DESCALERS</p>	
<p>9.120 Professional Use of Vehicle cleaning Products Car wash product; Spray and wipe manual process</p>	<p>9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use</p> <p>9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use</p> <p>9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use</p> <p>9.5 DESCALERS</p>	0.078914
<p>9.120 Professional Use of Vehicle cleaning Products Car wash product; Spray and wipe manual process</p> <p>9.121 Professional Use of Vehicle cleaning Products Dewaxing product; Semi-Automatic process</p>	<p>9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use</p> <p>9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use</p> <p>9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use</p> <p>9.5 DESCALERS</p>	0.082407
<p>9.120 Professional Use of Vehicle cleaning Products Car wash product; Spray and wipe manual process</p> <p>9.121 Professional Use of Vehicle cleaning Products Dewaxing product; Semi-Automatic process</p> <p>9.116 Professional Use of Vehicle cleaning Products Boat cleaner; Manual process</p>	<p>9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use</p> <p>9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use</p> <p>9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use</p> <p>9.5 DESCALERS</p>	0.0859
<p>9.121 Professional Use of Vehicle cleaning Products Dewaxing product; Semi-Automatic process</p>	<p>9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use</p> <p>9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use</p> <p>9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use</p> <p>9.5 DESCALERS</p>	0.078914
<p>9.121 Professional Use of Vehicle cleaning Products Dewaxing product; Semi-Automatic process</p> <p>9.116 Professional Use of Vehicle cleaning Products Boat cleaner; Manual process</p>	<p>9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use</p> <p>9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use</p> <p>9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use</p> <p>9.5 DESCALERS</p>	0.082407
<p>9.121 Professional Use of Vehicle cleaning Products Dewaxing product; Semi-Automatic process</p>	<p>9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use</p> <p>9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte</p>	0.0859

Worker scenarios	Consumer scenarios	Total RCR
9.116 Professional Use of Vehicle cleaning Products Boat cleaner; Manual process 9.117 Professional Use of Vehicle cleaning Products Boat cleaner; Spray and wipe manual process	(gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	
9.116 Professional Use of Vehicle cleaning Products Boat cleaner; Manual process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.078914
9.116 Professional Use of Vehicle cleaning Products Boat cleaner; Manual process 9.117 Professional Use of Vehicle cleaning Products Boat cleaner; Spray and wipe manual process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.082407
9.116 Professional Use of Vehicle cleaning Products Boat cleaner; Manual process 9.117 Professional Use of Vehicle cleaning Products Boat cleaner; Spray and wipe manual process 9.47 Industrial use of Vehicle cleaning Products Train cleaner; Semi-Automatic process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.0859
9.117 Professional Use of Vehicle cleaning Products Boat cleaner; Spray and wipe manual process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.078914
9.117 Professional Use of Vehicle cleaning Products Boat cleaner; Spray and wipe manual process 9.47 Industrial use of Vehicle cleaning Products Train cleaner; Semi-Automatic process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.082407
9.117 Professional Use of Vehicle cleaning Products Boat cleaner; Spray and wipe manual process 9.47 Industrial use of Vehicle cleaning Products Train cleaner; Semi-Automatic process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use	0.0859

Worker scenarios	Consumer scenarios	Total RCR
9.46 Industrial use of Vehicle cleaning Products Aeroplane cleaner; Semi-Automatic process	9.5 DESCALERS	
9.47 Industrial use of Vehicle cleaning Products Train cleaner; Semi-Automatic process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.078914
9.47 Industrial use of Vehicle cleaning Products Train cleaner; Semi-Automatic process 9.46 Industrial use of Vehicle cleaning Products Aeroplane cleaner; Semi-Automatic process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.082407
9.47 Industrial use of Vehicle cleaning Products Train cleaner; Semi-Automatic process 9.46 Industrial use of Vehicle cleaning Products Aeroplane cleaner; Semi-Automatic process 9.16 Industrial Use of Vehicle cleaning Products Car wash product; Semi-Automatic process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.0859
9.46 Industrial use of Vehicle cleaning Products Aeroplane cleaner; Semi-Automatic process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.078914
9.46 Industrial use of Vehicle cleaning Products Aeroplane cleaner; Semi-Automatic process 9.16 Industrial Use of Vehicle cleaning Products Car wash product; Semi-Automatic process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.082407
9.46 Industrial use of Vehicle cleaning Products Aeroplane cleaner; Semi-Automatic process 9.16 Industrial Use of Vehicle cleaning Products Car wash product; Semi-Automatic process 9.17 Industrial Use of Vehicle cleaning Products Car wash product; Spray and rinse process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.0859
9.16 Industrial Use of Vehicle cleaning Products Car wash product; Semi-Automatic process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-	0.078914

Worker scenarios	Consumer scenarios	Total RCR
	release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	
9.16 Industrial Use of Vehicle cleaning Products Car wash product; Semi-Automatic process 9.17 Industrial Use of Vehicle cleaning Products Car wash product; Spray and rinse process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.082407
9.16 Industrial Use of Vehicle cleaning Products Car wash product; Semi-Automatic process 9.17 Industrial Use of Vehicle cleaning Products Car wash product; Spray and rinse process 9.18 Industrial Use of Vehicle cleaning Products Car wash product; Spray and wipe manual process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.0859
9.17 Industrial Use of Vehicle cleaning Products Car wash product; Spray and rinse process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.078914
9.17 Industrial Use of Vehicle cleaning Products Car wash product; Spray and rinse process 9.18 Industrial Use of Vehicle cleaning Products Car wash product; Spray and wipe manual process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.082407
9.17 Industrial Use of Vehicle cleaning Products Car wash product; Spray and rinse process 9.18 Industrial Use of Vehicle cleaning Products Car wash product; Spray and wipe manual process 9.19 Industrial Use of Vehicle cleaning Products Dewaxing product; Semi-Automatic process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.0859
9.18 Industrial Use of Vehicle cleaning Products Car wash product; Spray and wipe manual process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use	0.078914

Worker scenarios	Consumer scenarios	Total RCR
	9.5 DESCALERS	
9.18 Industrial Use of Vehicle cleaning Products Car wash product; Spray and wipe manual process 9.19 Industrial Use of Vehicle cleaning Products Dewaxing product; Semi-Automatic process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substate (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.082407
9.18 Industrial Use of Vehicle cleaning Products Car wash product; Spray and wipe manual process 9.19 Industrial Use of Vehicle cleaning Products Dewaxing product; Semi-Automatic process 9.14 Industrial Use of Vehicle cleaning Products Boat cleaner; Manual process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substate (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.0859
9.19 Industrial Use of Vehicle cleaning Products Dewaxing product; Semi-Automatic process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substate (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.078914
9.19 Industrial Use of Vehicle cleaning Products Dewaxing product; Semi-Automatic process 9.14 Industrial Use of Vehicle cleaning Products Boat cleaner; Manual process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substate (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.082407
9.19 Industrial Use of Vehicle cleaning Products Dewaxing product; Semi-Automatic process 9.14 Industrial Use of Vehicle cleaning Products Boat cleaner; Manual process 9.15 Industrial Use of Vehicle cleaning Products Boat cleaner; Spray and wipe manual process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substate (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.0859
9.14 Industrial Use of Vehicle cleaning Products Boat cleaner; Manual process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substate (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.078914
9.14 Industrial Use of Vehicle cleaning Products Boat cleaner; Manual process 9.15 Industrial Use of Vehicle	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substate	0.082407

Worker scenarios	Consumer scenarios	Total RCR
cleaning Products Boat cleaner; Spray and wipe manual process	(gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	
9.14 Industrial Use of Vehicle cleaning Products Boat cleaner; Manual process 9.15 Industrial Use of Vehicle cleaning Products Boat cleaner; Spray and wipe manual process 9.28 Industrial use of Food beverage and pharmacos products Food process cleaner; Cleaning In place (CIP) process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.084314
9.15 Industrial Use of Vehicle cleaning Products Boat cleaner; Spray and wipe manual process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.078914
9.15 Industrial Use of Vehicle cleaning Products Boat cleaner; Spray and wipe manual process 9.28 Industrial use of Food beverage and pharmacos products Food process cleaner; Cleaning In place (CIP) process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.080821
9.15 Industrial Use of Vehicle cleaning Products Boat cleaner; Spray and wipe manual process 9.28 Industrial use of Food beverage and pharmacos products Food process cleaner; Cleaning In place (CIP) process 9.29 Industrial use of Food beverage and pharmacos products Food process cleaner; Semi closed cleaning process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.082728
9.28 Industrial use of Food beverage and pharmacos products Food process cleaner; Cleaning In place (CIP) process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.077328
9.28 Industrial use of Food beverage and pharmacos products Food process cleaner; Cleaning In place (CIP) process 9.29 Industrial use of Food beverage and pharmacos products Food process cleaner;	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use	0.079236

Worker scenarios	Consumer scenarios	Total RCR
Semi closed cleaning process	9.5 DESCALERS	
9.28 Industrial use of Food beverage and pharmacos products Food process cleaner; Cleaning In place (CIP) process 9.29 Industrial use of Food beverage and pharmacos products Food process cleaner; Semi closed cleaning process 9.22 Industrial use of Food beverage and pharmacos products Chain maintenance product; Automatic spray process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substate (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.08305
9.29 Industrial use of Food beverage and pharmacos products Food process cleaner; Semi closed cleaning process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substate (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.077328
9.29 Industrial use of Food beverage and pharmacos products Food process cleaner; Semi closed cleaning process 9.22 Industrial use of Food beverage and pharmacos products Chain maintenance product; Automatic spray process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substate (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.081143
9.29 Industrial use of Food beverage and pharmacos products Food process cleaner; Semi closed cleaning process 9.22 Industrial use of Food beverage and pharmacos products Chain maintenance product; Automatic spray process 9.21 Industrial use of Food beverage and pharmacos products Chain maintenance product; Automatic drip and brush process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substate (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.084957
9.22 Industrial use of Food beverage and pharmacos products Chain maintenance product; Automatic spray process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substate (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.079236
9.22 Industrial use of Food beverage and pharmacos products Chain maintenance product; Automatic spray process 9.21 Industrial use of Food beverage and pharmacos	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substate (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE	0.08305

Worker scenarios	Consumer scenarios	Total RCR
products Chain maintenance product; Automatic drip and brush process	(spray, liquid) for consumer use 9.5 DESCALERS	
9.22 Industrial use of Food beverage and pharmacos products Chain maintenance product; Automatic spray process 9.21 Industrial use of Food beverage and pharmacos products Chain maintenance product; Automatic drip and brush process 9.23 Industrial use of Food beverage and pharmacos products Defoaming product; Automatic process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substate (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.085493
9.21 Industrial use of Food beverage and pharmacos products Chain maintenance product; Automatic drip and brush process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substate (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.079236
9.21 Industrial use of Food beverage and pharmacos products Chain maintenance product; Automatic drip and brush process 9.23 Industrial use of Food beverage and pharmacos products Defoaming product; Automatic process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substate (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.081678
9.21 Industrial use of Food beverage and pharmacos products Chain maintenance product; Automatic drip and brush process 9.23 Industrial use of Food beverage and pharmacos products Defoaming product; Automatic process 9.26 Industrial use of Food beverage and pharmacos products Foam cleaner; Semi-Automatic with venting process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substate (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.081759
9.23 Industrial use of Food beverage and pharmacos products Defoaming product; Automatic process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substate (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.077864
9.23 Industrial use of Food beverage and pharmacos	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use	0.077945

Worker scenarios	Consumer scenarios	Total RCR
products Defoaming product; Automatic process 9.26 Industrial use of Food beverage and pharmacos products Foam cleaner; Semi-Automatic with venting process	9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	
9.23 Industrial use of Food beverage and pharmacos products Defoaming product; Automatic process 9.26 Industrial use of Food beverage and pharmacos products Foam cleaner; Semi-Automatic with venting process 9.27 Industrial use of Food beverage and pharmacos products Foam cleaner; Semi-Automatic without venting process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.081224
9.26 Industrial use of Food beverage and pharmacos products Foam cleaner; Semi-Automatic with venting process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.075502
9.26 Industrial use of Food beverage and pharmacos products Foam cleaner; Semi-Automatic with venting process 9.27 Industrial use of Food beverage and pharmacos products Foam cleaner; Semi-Automatic without venting process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.078781
9.26 Industrial use of Food beverage and pharmacos products Foam cleaner; Semi-Automatic with venting process 9.27 Industrial use of Food beverage and pharmacos products Foam cleaner; Semi-Automatic without venting process 9.75 Professional Use of Food beverage and pharmacos products Animal housing care; Manual process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.354138
9.27 Industrial use of Food beverage and pharmacos products Foam cleaner; Semi-Automatic without venting process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.0787

Worker scenarios	Consumer scenarios	Total RCR
9.27 Industrial use of Food beverage and pharmacos products Foam cleaner; Semi-Automatic without venting process 9.75 Professional Use of Food beverage and pharmacos products Animal housing care; Manual process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.354057
9.27 Industrial use of Food beverage and pharmacos products Foam cleaner; Semi-Automatic without venting process 9.75 Professional Use of Food beverage and pharmacos products Animal housing care; Manual process 9.20 Industrial use of Food beverage and pharmacos products Animal housing care; Semi-Automatic process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.629414
9.75 Professional Use of Food beverage and pharmacos products Animal housing care; Manual process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.350778
9.75 Professional Use of Food beverage and pharmacos products Animal housing care; Manual process 9.20 Industrial use of Food beverage and pharmacos products Animal housing care; Semi-Automatic process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.626136
9.75 Professional Use of Food beverage and pharmacos products Animal housing care; Manual process 9.20 Industrial use of Food beverage and pharmacos products Animal housing care; Semi-Automatic process 9.25 Industrial use of Food beverage and pharmacos products Disinfection product; Semi-automatic process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.901493
9.20 Industrial use of Food beverage and pharmacos products Animal housing care; Semi-Automatic process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use	0.350778

Worker scenarios	Consumer scenarios	Total RCR
	9.5 DESCALERS	
9.20 Industrial use of Food beverage and pharmacos products Animal housing care; Semi-Automatic process 9.25 Industrial use of Food beverage and pharmacos products Disinfection product; Semi-automatic process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.626136
9.20 Industrial use of Food beverage and pharmacos products Animal housing care; Semi-Automatic process 9.25 Industrial use of Food beverage and pharmacos products Disinfection product; Semi-automatic process 9.24 Industrial use of Food beverage and pharmacos products Disinfection product; Fogging and gassing Semi-automatic process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.629414
9.25 Industrial use of Food beverage and pharmacos products Disinfection product; Semi-automatic process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.350778
9.25 Industrial use of Food beverage and pharmacos products Disinfection product; Semi-automatic process 9.24 Industrial use of Food beverage and pharmacos products Disinfection product; Fogging and gassing Semi-automatic process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.354057
9.25 Industrial use of Food beverage and pharmacos products Disinfection product; Semi-automatic process 9.24 Industrial use of Food beverage and pharmacos products Disinfection product; Fogging and gassing Semi-automatic process 9.62 Professional Use of Façade/surface Cleaning Products Façade/surface cleaner; High pressure process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.357175
9.24 Industrial use of Food beverage and pharmacos products Disinfection product; Fogging and gassing Semi-	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte	0.0787

Worker scenarios	Consumer scenarios	Total RCR
automatic process	(gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	
9.24 Industrial use of Food beverage and pharmacos products Disinfection product; Fogging and gassing Semi-automatic process 9.62 Professional Use of Façade/surface Cleaning Products Façade/surface cleaner; High pressure process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.081818
9.24 Industrial use of Food beverage and pharmacos products Disinfection product; Fogging and gassing Semi-automatic process 9.62 Professional Use of Façade/surface Cleaning Products Façade/surface cleaner; High pressure process 9.63 Professional Use of Façade/surface Cleaning Products Façade/surface cleaner; Medium pressure process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.084936
9.62 Professional Use of Façade/surface Cleaning Products Façade/surface cleaner; High pressure process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.078539
9.62 Professional Use of Façade/surface Cleaning Products Façade/surface cleaner; High pressure process 9.63 Professional Use of Façade/surface Cleaning Products Façade/surface cleaner; Medium pressure process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.081657
9.62 Professional Use of Façade/surface Cleaning Products Façade/surface cleaner; High pressure process 9.63 Professional Use of Façade/surface Cleaning Products Façade/surface cleaner; Medium pressure process 9.12 Industrial Use of Façade/surface Cleaning Products Façade/surface cleaner; High pressure process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.084775

Worker scenarios	Consumer scenarios	Total RCR
9.63 Professional Use of Façade/surface Cleaning Products Façade/surface cleaner; Medium pressure process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.078539
9.63 Professional Use of Façade/surface Cleaning Products Façade/surface cleaner; Medium pressure process 9.12 Industrial Use of Façade/surface Cleaning Products Façade/surface cleaner; High pressure process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.081657
9.63 Professional Use of Façade/surface Cleaning Products Façade/surface cleaner; Medium pressure process 9.12 Industrial Use of Façade/surface Cleaning Products Façade/surface cleaner; High pressure process 9.13 Industrial Use of Façade/surface Cleaning Products Façade/surface cleaner; Medium pressure process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.084775
9.12 Industrial Use of Façade/surface Cleaning Products Façade/surface cleaner; High pressure process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.078539
9.12 Industrial Use of Façade/surface Cleaning Products Façade/surface cleaner; High pressure process 9.13 Industrial Use of Façade/surface Cleaning Products Façade/surface cleaner; Medium pressure process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.081657
9.12 Industrial Use of Façade/surface Cleaning Products Façade/surface cleaner; High pressure process 9.13 Industrial Use of Façade/surface Cleaning Products Façade/surface cleaner; Medium pressure process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.083403

Worker scenarios	Consumer scenarios	Total RCR
9.49 Industrial use of Water treatment Products Preservation and sanitation agent ; Process water		
9.13 Industrial Use of Façade/surface Cleaning Products Façade/surface cleaner; Medium pressure process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.078539
9.13 Industrial Use of Façade/surface Cleaning Products Façade/surface cleaner; Medium pressure process 9.49 Industrial use of Water treatment Products Preservation and sanitation agent ; Process water	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.080286
9.13 Industrial Use of Façade/surface Cleaning Products Façade/surface cleaner; Medium pressure process 9.49 Industrial use of Water treatment Products Preservation and sanitation agent ; Process water 9.48 Industrial use of Water treatment Products Preservation and sanitation agent ; Drink and pool water	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.082032
9.49 Industrial use of Water treatment Products Preservation and sanitation agent ; Process water	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.077168
9.49 Industrial use of Water treatment Products Preservation and sanitation agent ; Process water 9.48 Industrial use of Water treatment Products Preservation and sanitation agent ; Drink and pool water	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.078914
9.49 Industrial use of Water treatment Products Preservation and sanitation agent ; Process water 9.48 Industrial use of Water treatment Products Preservation	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE	0.082032

Worker scenarios	Consumer scenarios	Total RCR
and sanitation agent ; Drink and pool water 9.50 Industrial use of Water treatment Products Sanitation agent; Wasre water	(spray, liquid) for consumer use 9.5 DESCALERS	
9.48 Industrial use of Water treatment Products Preservation and sanitation agent ; Drink and pool water	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.077168
9.48 Industrial use of Water treatment Products Preservation and sanitation agent ; Drink and pool water 9.50 Industrial use of Water treatment Products Sanitation agent; Wasre water	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.080286
9.48 Industrial use of Water treatment Products Preservation and sanitation agent ; Drink and pool water 9.50 Industrial use of Water treatment Products Sanitation agent; Wasre water 9.41 Industrial use of Metal Treatment Products* Conversion Layer agent; Automatic process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.080455
9.50 Industrial use of Water treatment Products Sanitation agent; Wasre water	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.078539
9.50 Industrial use of Water treatment Products Sanitation agent; Wasre water 9.41 Industrial use of Metal Treatment Products* Conversion Layer agent; Automatic process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.078708
9.50 Industrial use of Water treatment Products Sanitation agent; Wasre water 9.41 Industrial use of Metal Treatment Products* Conversion Layer agent; Automatic process 9.35 Industrial use of Metal Treatment Products Metal working fluid (rolling oils,	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.078878

Worker scenarios	Consumer scenarios	Total RCR
lubricants); Automatic process		
9.41 Industrial use of Metal Treatment Products* Conversion Layer agent; Automatic process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substate (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.075591
9.41 Industrial use of Metal Treatment Products* Conversion Layer agent; Automatic process 9.35 Industrial use of Metal Treatment Products Metal working fluid (rolling oils, lubricants); Automatic process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substate (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.07576
9.41 Industrial use of Metal Treatment Products* Conversion Layer agent; Automatic process 9.35 Industrial use of Metal Treatment Products Metal working fluid (rolling oils, lubricants); Automatic process 9.34 Industrial use of Metal Treatment Products Hot metal working fluid; Automatic process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substate (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.075993
9.35 Industrial use of Metal Treatment Products Metal working fluid (rolling oils, lubricants); Automatic process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substate (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.075591
9.35 Industrial use of Metal Treatment Products Metal working fluid (rolling oils, lubricants); Automatic process 9.34 Industrial use of Metal Treatment Products Hot metal working fluid; Automatic process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substate (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.075824
9.35 Industrial use of Metal Treatment Products Metal working fluid (rolling oils, lubricants); Automatic process 9.34 Industrial use of Metal Treatment Products Hot metal working fluid; Automatic process 9.43 Industrial use of Metal Treatment Products* Metal cleaner (degreaser, descaler, etch); Manual process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substate (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.075959
9.34 Industrial use of Metal Treatment Products Hot metal	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use	0.075655

Worker scenarios	Consumer scenarios	Total RCR
working fluid; Automatic process	9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	
9.34 Industrial use of Metal Treatment Products Hot metal working fluid; Automatic process 9.43 Industrial use of Metal Treatment Products* Metal cleaner (degreaser, descaler, etch); Manual process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.075789
9.34 Industrial use of Metal Treatment Products Hot metal working fluid; Automatic process 9.43 Industrial use of Metal Treatment Products* Metal cleaner (degreaser, descaler, etch); Manual process 9.44 Industrial use of Metal Treatment Products* Metal cleaner (degreaser, descaler, etch); Semi-Automatic process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.075959
9.43 Industrial use of Metal Treatment Products* Metal cleaner (degreaser, descaler, etch); Manual process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.075556
9.43 Industrial use of Metal Treatment Products* Metal cleaner (degreaser, descaler, etch); Manual process 9.44 Industrial use of Metal Treatment Products* Metal cleaner (degreaser, descaler, etch); Semi-Automatic process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.075725
9.43 Industrial use of Metal Treatment Products* Metal cleaner (degreaser, descaler, etch); Manual process 9.44 Industrial use of Metal Treatment Products* Metal cleaner (degreaser, descaler, etch); Semi-Automatic process 9.42 Industrial use of Metal Treatment Products* Metal cleaner (degreaser, descaler, etch); Automatic process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.075894
9.44 Industrial use of Metal Treatment Products* Metal cleaner (degreaser, descaler,	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-	0.075591

Worker scenarios	Consumer scenarios	Total RCR
etch); Semi-Automatic process	release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	
9.44 Industrial use of Metal Treatment Products* Metal cleaner (degreaser, descaler, etch); Semi-Automatic process 9.42 Industrial use of Metal Treatment Products* Metal cleaner (degreaser, descaler, etch); Automatic process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.07576
9.44 Industrial use of Metal Treatment Products* Metal cleaner (degreaser, descaler, etch); Semi-Automatic process 9.42 Industrial use of Metal Treatment Products* Metal cleaner (degreaser, descaler, etch); Automatic process 9.38 Industrial use of Metal Treatment Products* Coating product (Paint, Filler, Putty, Thinner); Automatic process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.075993
9.42 Industrial use of Metal Treatment Products* Metal cleaner (degreaser, descaler, etch); Automatic process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.075591
9.42 Industrial use of Metal Treatment Products* Metal cleaner (degreaser, descaler, etch); Automatic process 9.38 Industrial use of Metal Treatment Products* Coating product (Paint, Filler, Putty, Thinner); Automatic process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.075824
9.42 Industrial use of Metal Treatment Products* Metal cleaner (degreaser, descaler, etch); Automatic process 9.38 Industrial use of Metal Treatment Products* Coating product (Paint, Filler, Putty, Thinner); Automatic process 9.36 Industrial use of Metal Treatment Products Surface finishing product; Manual with no process water recycling process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.075905
9.38 Industrial use of Metal Treatment Products* Coating	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use	0.075655

Worker scenarios	Consumer scenarios	Total RCR
product (Paint, Filler, Putty, Thinner); Automatic process	9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	
9.38 Industrial use of Metal Treatment Products* Coating product (Paint, Filler, Putty, Thinner); Automatic process 9.36 Industrial use of Metal Treatment Products Surface finishing product; Manual with no process water recycling process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.075736
9.38 Industrial use of Metal Treatment Products* Coating product (Paint, Filler, Putty, Thinner); Automatic process 9.36 Industrial use of Metal Treatment Products Surface finishing product; Manual with no process water recycling process 9.37 Industrial use of Metal Treatment Products Surface finishing product; Manual with water recycling process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.075817
9.40 Industrial use of Metal Treatment Products* Coating product (Paint, Filler, Putty, Thinner); Semi-Automatic process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.07577
9.40 Industrial use of Metal Treatment Products* Coating product (Paint, Filler, Putty, Thinner); Semi-Automatic process 9.36 Industrial use of Metal Treatment Products Surface finishing product; Manual with no process water recycling process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.075851
9.40 Industrial use of Metal Treatment Products* Coating product (Paint, Filler, Putty, Thinner); Semi-Automatic process 9.36 Industrial use of Metal Treatment Products Surface finishing product; Manual with no process water recycling process 9.37 Industrial use of Metal	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.075932

Worker scenarios	Consumer scenarios	Total RCR
Treatment Products Surface finishing product; Manual with water recycling process		
9.39 Industrial use of Metal Treatment Products* Coating product (Paint, Filler, Putty, Thinner); Manual process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substate (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.07577
9.39 Industrial use of Metal Treatment Products* Coating product (Paint, Filler, Putty, Thinner); Manual process 9.36 Industrial use of Metal Treatment Products Surface finishing product; Manual with no process water recycling process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substate (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.075851
9.39 Industrial use of Metal Treatment Products* Coating product (Paint, Filler, Putty, Thinner); Manual process 9.36 Industrial use of Metal Treatment Products Surface finishing product; Manual with no process water recycling process 9.37 Industrial use of Metal Treatment Products Surface finishing product; Manual with water recycling process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substate (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.075932
9.36 Industrial use of Metal Treatment Products Surface finishing product; Manual with no process water recycling process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substate (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.075502
9.36 Industrial use of Metal Treatment Products Surface finishing product; Manual with no process water recycling process 9.37 Industrial use of Metal Treatment Products Surface finishing product; Manual with water recycling process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substate (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.075583
9.36 Industrial use of Metal Treatment Products Surface finishing product; Manual with no process water recycling process 9.37 Industrial use of Metal	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substate (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE	0.075825

Worker scenarios	Consumer scenarios	Total RCR
Treatment Products Surface finishing product; Manual with water recycling process 9.114 Professional Use of Medical Devices Medical devices ; Semi-automatic process	(spray, liquid) for consumer use 9.5 DESCALERS	
9.37 Industrial use of Metal Treatment Products Surface finishing product; Manual with water recycling process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substate (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.075502
9.37 Industrial use of Metal Treatment Products Surface finishing product; Manual with water recycling process 9.114 Professional Use of Medical Devices Medical devices ; Semi-automatic process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substate (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.075744
9.37 Industrial use of Metal Treatment Products Surface finishing product; Manual with water recycling process 9.114 Professional Use of Medical Devices Medical devices ; Semi-automatic process 9.112 Professional Use of Medical Devices Medical devices ; Dipping process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substate (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.075879
9.114 Professional Use of Medical Devices Medical devices ; Semi-automatic process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substate (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.075663
9.114 Professional Use of Medical Devices Medical devices ; Semi-automatic process 9.112 Professional Use of Medical Devices Medical devices ; Dipping process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substate (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.075798
9.114 Professional Use of Medical Devices Medical devices ; Semi-automatic process 9.112 Professional Use of Medical Devices Medical devices ; Dipping process 9.113 Professional Use of Medical Devices Medical devices	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substate (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.351155

Worker scenarios	Consumer scenarios	Total RCR
; Manual process		
9.112 Professional Use of Medical Devices Medical devices ; Dipping process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.075556
9.112 Professional Use of Medical Devices Medical devices ; Dipping process 9.113 Professional Use of Medical Devices Medical devices ; Manual process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.350913
9.112 Professional Use of Medical Devices Medical devices ; Dipping process 9.113 Professional Use of Medical Devices Medical devices ; Manual process 9.115 Professional Use of Medical Devices Medical devices ; Spray process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.625734
9.113 Professional Use of Medical Devices Medical devices ; Manual process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.350778
9.113 Professional Use of Medical Devices Medical devices ; Manual process 9.115 Professional Use of Medical Devices Medical devices ; Spray process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.6256
9.113 Professional Use of Medical Devices Medical devices ; Manual process 9.115 Professional Use of Medical Devices Medical devices ; Spray process 9.55 Laboratory Use Laboratory Reagents	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.626393
9.115 Professional Use of Medical Devices Medical devices ; Spray process	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substarte (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE	0.350243

Worker scenarios	Consumer scenarios	Total RCR
	(spray, liquid) for consumer use 9.5 DESCALERS	
9.115 Professional Use of Medical Devices Medical devices ; Spray process 9.55 Laboratory Use Laboratory Reagents	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substate (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.351036
9.115 Professional Use of Medical Devices Medical devices ; Spray process 9.55 Laboratory Use Laboratory Reagents 9.45 Industrial use of Quality control Laboratory Reagents	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substate (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.351775
9.55 Laboratory Use Laboratory Reagents	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substate (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.076214
9.55 Laboratory Use Laboratory Reagents 9.45 Industrial use of Quality control Laboratory Reagents	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substate (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.076953
9.45 Industrial use of Quality control Laboratory Reagents	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substate (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.076161
-	9.7 FABRIC CONDITIONERS (liquid regular, liquid concentrate) for consumer use 9.2 AIR FRESHENERS NON AEROSOL (Timed-release aerosols, perfume in/on solid substate (gel), candles, diffusers (heated) for consumer use 9.8 FURNITURE FLOOR & LEATHER CARE (spray, liquid) for consumer use 9.5 DESCALERS	0.075421