



Safety Data Sheet- Annex with exposure scenario According to Regulation (EC) No 1907/2006

Operational conditions		
Frequency and duration of use	Emission days (days/year):	365
	Exposure duration	1 events per day
	Exposure duration	> 4 h
Human factors not influenced by risk management	Covers skin contact area up to	Palms of both hands (480 cm2)
Other given operational conditions affecting workers exposure	Local exhaust ventilation	Not applicable.
	Assumes a good basic standard of occupational hygiene is implemented.	
Risk management measures		
Conditions and measures related to personal protection, hygiene and health evaluation	Assumes a good basic standard of occupational hygiene is implemented.	
	Wear gloves, Safety glasses, Wear work clothes with long sleeves.	
	For further specification, refer to section 8 of the SDS.	
2.2 Contributing scenario controlling environmental exposure (ERC2, ERC4, ERC8a, ERC8b, ERC9a, ERC9b)		
ERC2	Formulation into mixture	
ERC4	Use of non-reactive processing aid at industrial site (no inclusion into or onto article)	
ERC8a	Widespread use of non-reactive processing aid (no inclusion into or onto article, indoor)	
ERC8b	Widespread use of reactive processing aid (no inclusion into or onto article, indoor)	
ERC9a	Widespread use of functional fluid (indoor)	

Exposure Scenario addressing uses carried out by workers



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Operational conditions

Frequency and duration of use	Emission days (days/year):	365
	Exposure duration	1 events per day
	Exposure duration	> 4 h
Human factors not influenced by risk management	Covers skin contact area up to	Palms of both hands (480 cm ²)
Other given operational conditions affecting workers exposure	Local exhaust ventilation	Not applicable.
	Assumes a good basic standard of occupational hygiene is implemented.	

Risk management measures

Conditions and measures related to personal protection, hygiene and health evaluation	Assumes a good basic standard of occupational hygiene is implemented.	
	Wear gloves, Safety glasses, Wear work clothes with long sleeves.	
	For further specification, refer to section 8 of the SDS.	

2.2 Contributing scenario controlling environmental exposure (ERC2, ERC4, ERC8a, ERC8b, ERC9a, ERC9b)

ERC2	Formulation into mixture
ERC4	Use of non-reactive processing aid at industrial site (no inclusion into or onto article)
ERC8a	Widespread use of non-reactive processing aid (no inclusion into or onto article, indoor)
ERC8b	Widespread use of reactive processing aid (no inclusion into or onto article, indoor)
ERC9a	Widespread use of functional fluid (indoor)

1. Exposure scenario 05a

Use in cleaning agents

ES Ref.: 05a
ES Type: Worker
Version: 1

Use descriptors	PROC2, PROC4, PROC7, PROC8a, PROC8b, PROC9, PROC10, PROC13 PC3, PC28, PC31, PC35, PC36, PC37 AC8, AC35 SU3 ERC2, ERC4, ERC8a, ERC8b, ERC9a, ERC9b
Processes, tasks activities covered	Air care products Automotive Care (spray, liquid) Perfumes, Fragrances Polishes and Wax Blends Washing and cleaning products (including solvent based products) Water softeners Water treatment chemicals Industrial use
Assessment method	see section 3 of this exposure scenario.

2. Operational conditions and risk management measures

2.1.1 Contributing scenario controlling worker exposure (PROC2, PROC4)

Washing and cleaning products (including solvent based products). Automotive Care (spray, liquid)	
PROC2	Chemical production or refinery in closed continuous process with occasional controlled exposure or processes with equivalent containment conditions
PROC4	Chemical production where opportunity for exposure arises

Product characteristics

Physical form	Granular solid, Aqueous solution
Concentration of the Substance in Mixture/Article	> 25 %
	Unless otherwise stated
Other product characteristics	fugacity, Low

Operational conditions

Frequency and duration of use	Emission days (days/year):	365
	Exposure duration	1 events per day
	Exposure duration	> 4 h
Other given operational conditions affecting workers exposure	Local exhaust ventilation	Not applicable.
	Assumes a good basic standard of occupational hygiene is implemented.	

Risk management measures

Conditions and measures related to personal protection, hygiene and health evaluation	Assumes a good basic standard of occupational hygiene is implemented.	
	Wear gloves, Safety glasses, Wear work clothes with long sleeves.	
	For further specification, refer to section 8 of the SDS.	

2.1.2 Contributing scenario controlling worker exposure (PROC7)

Washing and cleaning products (including solvent based products). Automotive Care (spray, liquid)	
PROC7	Industrial spraying



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Operational conditions

Frequency and duration of use	Emission days (days/year):	365
	Exposure duration	1 events per day
	Exposure duration	> 4 h
Human factors not influenced by risk management	Covers skin contact area up to	Palms of both hands (480 cm ²)
Other given operational conditions affecting workers exposure	Local exhaust ventilation	Not applicable.
	Assumes a good basic standard of occupational hygiene is implemented.	

Risk management measures

Conditions and measures related to personal protection, hygiene and health evaluation	Assumes a good basic standard of occupational hygiene is implemented.	
	Wear gloves, Safety glasses, Wear work clothes with long sleeves.	
	For further specification, refer to section 8 of the SDS.	

2.2 Contributing scenario controlling environmental exposure (ERC2, ERC4, ERC8a, ERC8b, ERC9a, ERC9b)

ERC2	Formulation into mixture
ERC4	Use of non-reactive processing aid at industrial site (no inclusion into or onto article)
ERC8a	Widespread use of non-reactive processing aid (no inclusion into or onto article, indoor)
ERC8b	Widespread use of reactive processing aid (no inclusion into or onto article, indoor)
ERC9a	Widespread use of functional fluid (indoor)

Other product characteristics	fugacity, High
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Operational conditions

Frequency and duration of use	Emission days (days/year):	365
	Exposure duration	1 events per day
	Exposure duration	> 4 h
Human factors not influenced by risk management	Covers skin contact area up to	both hands and forearms (1500 cm ²)
Other given operational conditions affecting workers exposure	with local exhaust ventilation	Local exhaust ventilation - efficiency of at least (%): 95%
	Assumes a good basic standard of occupational hygiene is implemented.	

Risk management measures

Conditions and measures related to personal protection, hygiene and health evaluation	Assumes a good basic standard of occupational hygiene is implemented.	
	Wear gloves, Safety glasses, Wear work clothes with long sleeves.	
	For further specification, refer to section 8 of the SDS.	

2.1.3 Contributing scenario controlling worker exposure (PROC8a, PROC10)

Washing and cleaning products (including solvent based products). Automotive Care (spray, liquid)	
PROC8a	Transfer of substance or mixture (charging and discharging) at non-dedicated facilities
PROC10	Roller application or brushing of adhesive and other coating.

Product characteristics

Physical form	Granular solid, Aqueous solution
Concentration of the Substance in Mixture/Article	> 25 % Unless otherwise stated
Other product characteristics	fugacity, Low

Operational conditions

Frequency and duration of use	Emission days (days/year):	365
	Exposure duration	1 events per day
	Exposure duration	> 4 h
Human factors not influenced by risk management	Covers skin contact area up to	Both hands (960 cm ²)
Other given operational conditions affecting workers exposure	Local exhaust ventilation	Not applicable.
	Assumes a good basic standard of occupational hygiene is implemented.	

Risk management measures

Conditions and measures related to personal protection, hygiene and health evaluation	Assumes a good basic standard of occupational hygiene is implemented.	
	Wear gloves, Safety glasses, Wear work clothes with long sleeves.	
	For further specification, refer to section 8 of the SDS.	

2.1.4 Contributing scenario controlling worker exposure (PROC8b, PROC9, PROC13)

Washing and cleaning products (including solvent based products). Automotive Care (spray, liquid)	
PROC8b	Transfer of substance or mixture (charging and discharging) at dedicated facilities
PROC9	Transfer of substance or mixture into small containers (dedicated filling line, including weighing)
PROC13	Treatment of articles by dipping and pouring



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Operational conditions

Frequency and duration of use	Emission days (days/year):	365
	Exposure duration	1 events per day
	Exposure duration	> 4 h
Human factors not influenced by risk management	Covers skin contact area up to	Palms of both hands (480 cm ²)
Other given operational conditions affecting workers exposure	Local exhaust ventilation	Not applicable.
	Assumes a good basic standard of occupational hygiene is implemented.	

Risk management measures

Conditions and measures related to personal protection, hygiene and health evaluation	Assumes a good basic standard of occupational hygiene is implemented.	
	Wear gloves, Safety glasses, Wear work clothes with long sleeves.	
	For further specification, refer to section 8 of the SDS.	

2.2 Contributing scenario controlling environmental exposure (ERC2, ERC4, ERC8a, ERC8b, ERC9a, ERC9b)

ERC2	Formulation into mixture
ERC4	Use of non-reactive processing aid at industrial site (no inclusion into or onto article)
ERC8a	Widespread use of non-reactive processing aid (no inclusion into or onto article, indoor)
ERC8b	Widespread use of reactive processing aid (no inclusion into or onto article, indoor)
ERC9a	Widespread use of functional fluid (indoor)



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Operational conditions		
Frequency and duration of use	Emission days (days/year):	365
	Exposure duration	1 events per day
	Exposure duration	> 4 h
Human factors not influenced by risk management	Covers skin contact area up to	Palms of both hands (480 cm2)
Other given operational conditions affecting workers exposure	Local exhaust ventilation	Not applicable.
	Assumes a good basic standard of occupational hygiene is implemented.	

Risk management measures		
Conditions and measures related to personal protection, hygiene and health evaluation	Assumes a good basic standard of occupational hygiene is implemented.	
	Wear gloves, Safety glasses, Wear work clothes with long sleeves.	
	For further specification, refer to section 8 of the SDS.	

2.2 Contributing scenario controlling environmental exposure (ERC2, ERC4, ERC8a, ERC8b, ERC9a, ERC9b)	
ERC2	Formulation into mixture
ERC4	Use of non-reactive processing aid at industrial site (no inclusion into or onto article)
ERC8a	Widespread use of non-reactive processing aid (no inclusion into or onto article, indoor)
ERC8b	Widespread use of reactive processing aid (no inclusion into or onto article, indoor)
ERC9a	Widespread use of functional fluid (indoor)

2.2	EUSES
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4. Guidance to Downstream User to evaluate whether he works inside the boundaries set by the ES

4.1. Health	
Guidance - Health	No data available
4.2. Environment	
Guidance - Environment	Predicted exposures are not expected to exceed the PNECs when the Risk Management Measures/Operational Conditions outlined in Section 2 are implemented.



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Operational conditions

Frequency and duration of use	Emission days (days/year):	365
	Exposure duration	1 events per day
	Exposure duration	> 4 h
Human factors not influenced by risk management	Covers skin contact area up to	Palms of both hands (480 cm ²)
Other given operational conditions affecting workers exposure	Local exhaust ventilation	Not applicable.
	Assumes a good basic standard of occupational hygiene is implemented.	

Risk management measures

Conditions and measures related to personal protection, hygiene and health evaluation	Assumes a good basic standard of occupational hygiene is implemented.	
	Wear gloves, Safety glasses, Wear work clothes with long sleeves.	
	For further specification, refer to section 8 of the SDS.	

2.2 Contributing scenario controlling environmental exposure (ERC2, ERC4, ERC8a, ERC8b, ERC9a, ERC9b)

ERC2	Formulation into mixture
ERC4	Use of non-reactive processing aid at industrial site (no inclusion into or onto article)
ERC8a	Widespread use of non-reactive processing aid (no inclusion into or onto article, indoor)
ERC8b	Widespread use of reactive processing aid (no inclusion into or onto article, indoor)
ERC9a	Widespread use of functional fluid (indoor)

1. Exposure scenario 05b

Use in cleaning agents

ES Ref.: 05b
ES Type: Worker
Version: 1

Use descriptors	PROC1, PROC4, PROC8a, PROC9, PROC10, PROC11, PROC13, PROC19 PC3, PC28, PC31, PC35, PC36, PC37 AC8, AC35 SU3 ERC2, ERC4, ERC8a, ERC8d, ERC9a, ERC9b
Processes, tasks activities covered	Air care products Automotive Care (spray, liquid) Perfumes, Fragrances Polishes and Wax Blends Washing and cleaning products (including solvent based products) Water softeners Water treatment chemicals Professional use
Assessment method	see section 3 of this exposure scenario.

2. Operational conditions and risk management measures

2.1.1 Contributing scenario controlling worker exposure (PROC1, PROC4, PROC13)

Washing and cleaning products (including solvent based products). Automotive Care (spray, liquid)	
PROC1	Chemical production or refinery in closed process without likelihood of exposure or processes with equivalent containment conditions
PROC4	Chemical production where opportunity for exposure arises
PROC13	Treatment of articles by dipping and pouring

Product characteristics

Physical form	Granular solid, Aqueous solution
Concentration of the Substance in Mixture/Article	> 25 %
	Unless otherwise stated
Other product characteristics	fugacity, Low

Operational conditions

Amount used	Daily amount per site	10 kg
Frequency and duration of use	Emission days (days/year):	365
	Exposure duration	1 events per day
	Exposure duration	15 minutes Laundry and dish washing products
	Exposure duration	30 minutes Automotive Care (spray, liquid)
Human factors not influenced by risk management	Body weight:	70 kg Default
	respiration volume (under conditions of use)	10 m ³ /d Default
Other given operational conditions affecting workers exposure	Liquid	Control of pH value.
	Granular solid	On application, the product does not form dust.
	Local exhaust ventilation	Not applicable.



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Operational conditions

Frequency and duration of use	Emission days (days/year):	365
	Exposure duration	1 events per day
	Exposure duration	> 4 h
Human factors not influenced by risk management	Covers skin contact area up to	Palms of both hands (480 cm ²)
Other given operational conditions affecting workers exposure	Local exhaust ventilation	Not applicable.
	Assumes a good basic standard of occupational hygiene is implemented.	

Risk management measures

Conditions and measures related to personal protection, hygiene and health evaluation	Assumes a good basic standard of occupational hygiene is implemented.	
	Wear gloves, Safety glasses, Wear work clothes with long sleeves.	
	For further specification, refer to section 8 of the SDS.	

2.2 Contributing scenario controlling environmental exposure (ERC2, ERC4, ERC8a, ERC8b, ERC9a, ERC9b)

ERC2	Formulation into mixture
ERC4	Use of non-reactive processing aid at industrial site (no inclusion into or onto article)
ERC8a	Widespread use of non-reactive processing aid (no inclusion into or onto article, indoor)
ERC8b	Widespread use of reactive processing aid (no inclusion into or onto article, indoor)
ERC9a	Widespread use of functional fluid (indoor)

PROC8a	Transfer of substance or mixture (charging and discharging) at non-dedicated facilities
PROC10	Roller application or brushing of adhesive and other coating.

Product characteristics

Physical form	Granular solid, Aqueous solution
Concentration of the Substance in Mixture/Article	> 25 %
	Unless otherwise stated
Other product characteristics	fugacity, Low

Operational conditions

Amount used	Daily amount per site	10 kg
Frequency and duration of use	Emission days (days/year):	365
	Exposure duration	1 events per day
	Exposure duration	15 minutes Laundry and dish washing products
	Exposure duration	30 minutes Automotive Care (spray, liquid)
Human factors not influenced by risk management	Body weight:	70 kg Default
	respiration volume (under conditions of use)	10 m ³ /d Default
	Covers skin contact area up to	Both hands (960 cm ²)
Other given operational conditions affecting workers exposure	Liquid	Control of pH value.
	Granular solid	On application, the product does not form dust.
	Local exhaust ventilation	Not applicable.

Risk management measures

Technical conditions and measures to control dispersion from the source towards the worker	Not applicable	
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2.1.3 Contributing scenario controlling worker exposure (PROC9)

Washing and cleaning products (including solvent based products). Automotive Care (spray, liquid)	
PROC9	Transfer of substance or mixture into small containers (dedicated filling line, including weighing)

Product characteristics

Physical form	Granular solid, Aqueous solution
Concentration of the Substance in Mixture/Article	> 25 %
	Unless otherwise stated
Other product characteristics	fugacity, Low

Operational conditions

Amount used	Daily amount per site	10 kg
Frequency and duration of use	Emission days (days/year):	365
	Exposure duration	1 events per day
	Exposure duration	15 minutes Laundry and dish washing products
	Exposure duration	30 minutes Automotive Care (spray, liquid)
Human factors not influenced by risk management	Body weight:	70 kg Default
	respiration volume (under conditions of use)	10 m ³ /d Default



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Operational conditions

Frequency and duration of use	Emission days (days/year):	365
	Exposure duration	1 events per day
	Exposure duration	> 4 h
Human factors not influenced by risk management	Covers skin contact area up to	Palms of both hands (480 cm ²)
Other given operational conditions affecting workers exposure	Local exhaust ventilation	Not applicable.
	Assumes a good basic standard of occupational hygiene is implemented.	

Risk management measures

Conditions and measures related to personal protection, hygiene and health evaluation	Assumes a good basic standard of occupational hygiene is implemented.	
	Wear gloves, Safety glasses, Wear work clothes with long sleeves.	
	For further specification, refer to section 8 of the SDS.	

2.2 Contributing scenario controlling environmental exposure (ERC2, ERC4, ERC8a, ERC8b, ERC9a, ERC9b)

ERC2	Formulation into mixture
ERC4	Use of non-reactive processing aid at industrial site (no inclusion into or onto article)
ERC8a	Widespread use of non-reactive processing aid (no inclusion into or onto article, indoor)
ERC8b	Widespread use of reactive processing aid (no inclusion into or onto article, indoor)
ERC9a	Widespread use of functional fluid (indoor)

Risk management measures

Technical conditions and measures to control dispersion from the source towards the worker	Not applicable	
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2.1.4 Contributing scenario controlling worker exposure (PROC11)

Washing and cleaning products (including solvent based products). Automotive Care (spray, liquid)		
PROC11	Non-industrial spraying	

Product characteristics

Physical form	Granular solid, Aqueous solution
Concentration of the Substance in Mixture/Article	> 25 %
	Unless otherwise stated
Other product characteristics	fugacity, Low

Operational conditions

Amount used	Daily amount per site	10 kg
Frequency and duration of use	Emission days (days/year):	365
	Exposure duration	1 events per day
	Exposure duration	15 minutes Laundry and dish washing products
	Exposure duration	30 minutes Automotive Care (spray, liquid)
Human factors not influenced by risk management	Body weight:	70 kg Default
	respiration volume (under conditions of use)	10 m ³ /d Default
	Covers skin contact area up to	both hands and forearms (1500 cm ²)
Other given operational conditions affecting workers exposure	Liquid	Control of pH value.
	Granular solid	On application, the product does not form dust.
	Local exhaust ventilation	Not applicable.

Risk management measures

Technical conditions and measures to control dispersion from the source towards the worker	Not applicable	
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2.1.5 Contributing scenario controlling worker exposure (PROC19)

Washing and cleaning products (including solvent based products). Automotive Care (spray, liquid)		
PROC19	Manual activities involving hand contact	

Product characteristics

Physical form	Granular solid, Aqueous solution
Concentration of the Substance in Mixture/Article	> 25 %
	Unless otherwise stated
Other product characteristics	fugacity, Low

Operational conditions

Amount used	Daily amount per site	10 kg
Frequency and duration of use	Emission days (days/year):	365
	Exposure duration	1 events per day
	Exposure duration	15 minutes Laundry and dish washing products



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Operational conditions

Frequency and duration of use	Emission days (days/year):	365
	Exposure duration	1 events per day
	Exposure duration	> 4 h
Human factors not influenced by risk management	Covers skin contact area up to	Palms of both hands (480 cm ²)
Other given operational conditions affecting workers exposure	Local exhaust ventilation	Not applicable.
	Assumes a good basic standard of occupational hygiene is implemented.	

Risk management measures

Conditions and measures related to personal protection, hygiene and health evaluation	Assumes a good basic standard of occupational hygiene is implemented.	
	Wear gloves, Safety glasses, Wear work clothes with long sleeves.	
	For further specification, refer to section 8 of the SDS.	

2.2 Contributing scenario controlling environmental exposure (ERC2, ERC4, ERC8a, ERC8b, ERC9a, ERC9b)

ERC2	Formulation into mixture
ERC4	Use of non-reactive processing aid at industrial site (no inclusion into or onto article)
ERC8a	Widespread use of non-reactive processing aid (no inclusion into or onto article, indoor)
ERC8b	Widespread use of reactive processing aid (no inclusion into or onto article, indoor)
ERC9a	Widespread use of functional fluid (indoor)

Other given operational conditions affecting workers exposure	Covers skin contact area up to	both hands and forearms (1980 cm ²)
	Liquid	Control of pH value.
	Granular solid	On application, the product does not form dust.
	Local exhaust ventilation	Not applicable.

Risk management measures

Technical conditions and measures to control dispersion from the source towards the worker	Not applicable	
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2.2 Contributing scenario controlling environmental exposure (ERC2, ERC4, ERC8a, ERC8d, ERC9a, ERC9b)

ERC2	Formulation into mixture
ERC4	Use of non-reactive processing aid at industrial site (no inclusion into or onto article)
ERC8a	Widespread use of non-reactive processing aid (no inclusion into or onto article, indoor)
ERC8d	Widespread use of non-reactive processing aid (no inclusion into or onto article, outdoor)
ERC9a	Widespread use of functional fluid (indoor)
ERC9b	Widespread use of functional fluid (outdoor)

Product characteristics

Other product characteristics	Readily biodegradable
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Operational conditions

Amount used	Amounts used	100000 t/yr
Other given operational conditions affecting environmental exposure	Not applicable	

Risk management measures

Technical onsite conditions and measures to reduce or limit discharges, air emissions and releases to soil	Not applicable	
Conditions and measures related to sewage treatment plant	none	
Conditions and measures related to external treatment of waste for disposal	Not applicable.	
Conditions and measures related to external recovery of waste	Not applicable.	

3. Exposure estimation and reference to its source

3.1. Health

Information for contributing exposure scenario	
2.1.1	Used ECETOC TRA model (May 2010 release)
2.1.2	Used ECETOC TRA model (May 2010 release)
2.1.3	Used ECETOC TRA model (May 2010 release)
2.1.4	Used ECETOC TRA model (May 2010 release)
2.1.5	Used ECETOC TRA model (May 2010 release)

3.2. Environment

Information for contributing exposure scenario	
2.2	EUSES

4. Guidance to Downstream User to evaluate whether he works inside the boundaries set by the ES

4.1. Health

Guidance - Health	No data available
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4.2. Environment

Guidance - Environment	Predicted exposures are not expected to exceed the PNECs when the Risk Management
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Operational conditions

Frequency and duration of use	Emission days (days/year):	365
	Exposure duration	1 events per day
	Exposure duration	> 4 h
Human factors not influenced by risk management	Covers skin contact area up to	Palms of both hands (480 cm ²)
Other given operational conditions affecting workers exposure	Local exhaust ventilation	Not applicable.
	Assumes a good basic standard of occupational hygiene is implemented.	

Risk management measures

Conditions and measures related to personal protection, hygiene and health evaluation	Assumes a good basic standard of occupational hygiene is implemented.	
	Wear gloves, Safety glasses, Wear work clothes with long sleeves.	
	For further specification, refer to section 8 of the SDS.	

2.2 Contributing scenario controlling environmental exposure (ERC2, ERC4, ERC8a, ERC8b, ERC9a, ERC9b)

ERC2	Formulation into mixture
ERC4	Use of non-reactive processing aid at industrial site (no inclusion into or onto article)
ERC8a	Widespread use of non-reactive processing aid (no inclusion into or onto article, indoor)
ERC8b	Widespread use of reactive processing aid (no inclusion into or onto article, indoor)
ERC9a	Widespread use of functional fluid (indoor)

1. Exposure scenario 05c

Use in cleaning agents

ES Ref.: 05c
ES Type: Consumer
Version: 1

Use descriptors	PC3, PC28, PC31, PC35, PC36, PC37 AC8, AC35 SU21 ERC8a, ERC8d, ERC9a, ERC9b
Processes, tasks activities covered	Air care products Automotive Care (spray, liquid) Perfumes, Fragrances Polishes and Wax Blends Washing and cleaning products (including solvent based products) Water softeners Water treatment chemicals Consumer use
Assessment method	see section 3 of this exposure scenario.

2. Operational conditions and risk management measures

2.1 Contributing scenario consumer end-use (PC3, PC28, PC31, PC35, PC36, PC37)

Washing and cleaning products (including solvent based products), Automotive Care (spray, liquid)	
PC3	Air care products
PC28	Perfumes, fragrances
PC31	Polishes and wax blends
PC35	Washing and cleaning products (including solvent based products)
PC36	Water softeners
PC37	Water treatment chemicals

Product characteristics

Physical form	Granular solid, Liquid
Concentration of the Substance in Mixture/Article	Covers percentage substance in the product up to 25 %, Unless otherwise stated

Operational conditions

Human factors not influenced by risk management	Covers skin contact area up to	Both hands (960 cm ²)
Other given operational conditions affecting consumers exposure	respiration volume (under conditions of use)	26 m ³ Default values: Cleaning and washing/laundry products/detergent liquids
	Covers use in room size of .	20 m ³
	Body weight:	65 kg Default values: Cleaning and washing/laundry products/detergent liquids
	Ventilation rate per hour	0.6
	Liquids, Aqueous solution	Control of pH value.
	Granular solid	On application, the product does not form dust.

Risk management measures

Conditions and measures related to information and behavioural advice to consumers	Not applicable	
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Operational conditions

Frequency and duration of use	Emission days (days/year):	365
	Exposure duration	1 events per day
	Exposure duration	> 4 h
Human factors not influenced by risk management	Covers skin contact area up to	Palms of both hands (480 cm ²)
Other given operational conditions affecting workers exposure	Local exhaust ventilation	Not applicable.
	Assumes a good basic standard of occupational hygiene is implemented.	

Risk management measures

Conditions and measures related to personal protection, hygiene and health evaluation	Assumes a good basic standard of occupational hygiene is implemented.	
	Wear gloves, Safety glasses, Wear work clothes with long sleeves.	
	For further specification, refer to section 8 of the SDS.	

2.2 Contributing scenario controlling environmental exposure (ERC2, ERC4, ERC8a, ERC8b, ERC9a, ERC9b)

ERC2	Formulation into mixture
ERC4	Use of non-reactive processing aid at industrial site (no inclusion into or onto article)
ERC8a	Widespread use of non-reactive processing aid (no inclusion into or onto article, indoor)
ERC8b	Widespread use of reactive processing aid (no inclusion into or onto article, indoor)
ERC9a	Widespread use of functional fluid (indoor)

ERC8d	Widespread use of non-reactive processing aid (no inclusion into or onto article, outdoor)
ERC9a	Widespread use of functional fluid (indoor)
ERC9b	Widespread use of functional fluid (outdoor)

Product characteristics

Other product characteristics	Readily biodegradable
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Operational conditions

Amount used	Annual site tonnage (tons/year):	100000
Frequency and duration of use	Continuous use/release:	365 days/year
Environmental factors not influenced by risk management	Local freshwater dilution factor:	10
	Local marine water dilution factor:	100
Other given operational conditions affecting environmental exposure	Fraction of EU tonnage used in region:	10 %
	Regional use tonnage (tons/year):	10000 t/yr
	Fraction of regional tonnage used locally:	200 t/yr
	Annual site tonnage (tons/year):	0,01 t/d
	Fraction of the main local source	0,0005

Risk management measures

Conditions and measures related to external recovery of waste	Solid waste	Can be landfilled or incinerated, when in compliance with local regulations.
	Recover sludge.	Fertilizers

3. Exposure estimation and reference to its source

3.1. Health

Information for contributing exposure scenario	
2.1	No data available

3.2. Environment

Information for contributing exposure scenario	
2.2	EUSES

4. Guidance to Downstream User to evaluate whether he works inside the boundaries set by the ES

4.1. Health

Guidance - Health	No data available
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4.2. Environment

Guidance - Environment	Predicted exposures are not expected to exceed the PNECs when the Risk Management Measures/Operational Conditions outlined in Section 2 are implemented.
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