

# Annex with exposure scenario According to Regulation (EC) No 1907/2006

Frequency and du	ration of use	Emission days (days/year):	365
t t Marketalite		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 operat	tional conditions affecting workers	Local exhaust ventilation	Not applicable.
exposure		Assumes a good basic standard of occupational hygiene is implemented.	0
Risk managemen	it measures	CONTRACTOR AND A CONTRACTOR OF THE PROPERTY.	0.5
	easures related to personal e and health evaluation	Assumes a good basic standard of occupational hygiene is implemented.	Řír L
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		Wear gloves, Safety glasses, Wear work clothes with long sleeves.	6
		For further specification, refer to section 8 of the SDS.	
2.2 Contribu	ting scenario controlling environn	nental exposure (ERC2, ERC4, ERC8a, ERC8b, ERC9a,	ERC9b)
ERC2	Formulation into mixture	K	- 20
ERC4	Use of non-reactive proc	essing aid at industrial site (no inclusion into or onto article	e)
ERC8a	Widespread use of non-	reactive processing aid (no inclusion into or onto article, in	idoor)
ERC8b Widespread use of read		tive processing aid (no inclusion into or onto article, indoor	)
ERC9a	Widespread use of funct	ional fluid (indoor)	

Exposure Scenario addressing uses carried out by workers



## Annex with exposure scenario

According to Regulation (EC) No 1907/2006

Operationa	conditions
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operational continuous		
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 hydiene is implemented.	0

### 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)	
2010/00/00 P	A DESCRIPTION OF THE PROPERTY	

## 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
Processes, tasks activities covered	ERC2, ERC4, ERC8a, ERC8b, ERC9a, ERC9b  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
Assessment method	Industrial use 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	Local exhaust ventilation	Not applicable.	
exposure	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.	
* in support that . * That # This last is what the paper of the patients have it.	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)		cts (including solvent based products). Automotive Care (spray, liquid)
	PROC7	Industrial spraying



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Operational condition	ons		
Frequency and duration of use		Emission days (days/year):	365
		Exposure duration	1 events per day
		Exposure duration	>4 h
Human factors not in	fluenced by risk management	Covers skin contact area up to	Palms of both hands (480 cm2)
Other given operation	nal conditions affecting workers	Local exhaust ventilation	Not applicable.
exposure		Assumes a good basic standard of occupational hygiene is implemented.	C)
Risk management n	neasures		
Conditions and meas protection, hygiene a	ures related to personal nd health evaluation	Assumes a good basic standard of occupational hygiene is implemented.	For
P-000-00-01-00-00-00-00-00-00-00-00-00-00		Wear gloves, Safety glasses, Wear work clothes with long sleeves.	6
		For further specification, refer to section 8 of the SDS.	
.2 Contributin	g scenario controlling environn	nental 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)		e)
ERC8a	Widespread use of non-reactive processing aid (no inclusion into or onto article, indoor)		idoor)
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	
Operational conditions		
Frequency and duration of use	Emission days (days/year):	366
	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 cm²)
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.	
V 1000	Wear gloves, Safety glasses, Wear work clothes with long sleeves.	10
	For further specification, refer to section 8 of the SDS.	

Washing and clean	ing 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 %	> 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 cm²)
Other given operational conditions affecting workers	Local exhaust ventilation	Not applicable.
exposure	Assumes a good basic standard of occupational hygiene is implemented.	State County Services

## Risk management measures

Conditions and measures related to personal protection, hygiene and health evaluation	Assumes a good basic standard of occupational hygiene is implemented.	
TO ALEXA	Wear gloves, Safety glasses, Wear work clothes with long sleeves.	2
	For further specification, refer to section 8 of the SDS.	

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

Washing and clean	ing 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	



ERC8a ERC8b

ERC9a

## **Safety Data Sheet-**

# Annex with exposure scenario According to Regulation (EC) No 1907/2006

Operational conditio	ns		
Frequency and duration of use		Emission days (days/year):	365
		Exposure duration	1 events per day
		Exposure duration	> 4 h
Human factors not infl	uenced by risk management	Covers skin contact area up to	Palms of both hands (480 cm2)
Other given operation	al conditions affecting workers	Local exhaust ventilation	Not applicable.
exposure		Assumes a good basic standard of occupational hygiene is implemented.	0
Risk management m	easures		
Conditions and measu protection, hygiene an	ires related to personal of health evaluation	Assumes a good basic standard of occupational hygiene is implemented.	er er
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		Wear gloves, Safety glasses, Wear work clothes with long sleeves.	6
		For further specification, refer to section 8 of the SDS.	
2.2 Contributing	scenario controlling environn	nental exposure (ERC2, ERC4, ERC8a, ERC8b, ERC9a	ERC9b)
ERC2	Formulation into mixture	K	
ERC4	Use of non-reactive proc	Use of non-reactive processing aid at industrial site (no inclusion into or onto article)	
ERC8a	Widespread use of non-	Widespread use of non-reactive processing aid (no inclusion into or onto article, indoor)	
	12		- 71

Widespread use of reactive processing aid (no inclusion into or onto article, indoor)

Widespread use of functional fluid (Indoor)



# 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	Local exhaust ventilation	Not applicable.
exposure	Assumes a good basic standard of occupational hygiene is implemented.	0

## Risk management measures 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. Conditions and measures related to personal protection, hygiene and health evaluation

2.2 Contribu	iting 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)	
	- I I mand to control to the control	

2.2	EUSES	
70.		33

4. Guidance to Downstre	am User to evaluate whether he works inside the boundaries set by the ES
i.1. Health	
Guidance - Health	No data available
i.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.



# Annex with exposure scenario According to Regulation (EC) No 1907/2006

Oper	rational	condi	tions
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Operational constitutions		
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	Local exhaust ventilation	Not applicable.
exposure	Assumes a good basic standard of occupational hydiene is implemented.	0

### 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.	

### 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

P	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
Fuctoring School in a Lindbrody a labor	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 m³/d Default
Other given operational conditions affecting workers	Liquid	Control of pH value.
exposure	Granular solid	On application, the product does not form dust.
	Local exhaust ventilation	Not applicable.



# Annex with exposure scenario According to Regulation (EC) No 1907/2006

Operational cond	ditions		
Frequency and duration of use		Emission days (days/year):	365
		Exposure duration	1 events per day
		Exposure duration	> 4 h
Human factors no	t influenced by risk management	Covers skin contact area up to	Palms of both hands (480 cm2)
Other given opera	ational conditions affecting workers	Local exhaust ventilation	Not applicable.
exposure		Assumes a good basic standard of occupational hygiene is implemented.	0
Risk managemen	nt measures	r contra social new Victor for Matthew Sealor March Marcon Victor Sealor Marcon Victor	1
	easures related to personal se and health evaluation	Assumes a good basic standard of occupational hygiene is implemented.	es es
		Wear gloves, Safety glasses, Wear work clothes with long sleeves.	6
		For further specification, refer to section 8 of the SDS.	
2.2 Contribu	iting scenario controlling environm	nental exposure (ERC2, ERC4, ERC8a, ERC8b, ERC9a,	ERC9b)
ERC2	Formulation into mixture	Formulation into mixture	
ERC4	Use of non-reactive proc	Use of non-reactive processing aid at industrial site (no inclusion into or onto article)	
ERC8a	Widespread use of non-	Widespread use of non-reactive processing aid (no inclusion into or onto article, indoor)	
ERC8b	Widespread use of react	Widespread use of reactive processing aid (no inclusion into or onto article, indoor)	

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

Widespread use of functional fluid (Indoor)

## Product characteristics

ERC9a

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 m²/d Default
	Covers skin contact area up to	Both hands (960 cm²)
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

			100
	Technical conditions and measures to control	Not applicable	(F
١	dispersion from the source towards the worker	SECONOMICS CONTROL	

## 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 m³/d Default



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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	Local exhaust ventilation	Not applicable.
exposure	Assumes a good basic standard of occupational hygiene is implemented.	0

### 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)	
2010/1001-11		

## Risk management measures

Technical conditions and measures to control	Not applicable	10
dispersion from the source towards the worker		

## 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 m²/d Default
	Covers skin contact area up to	both hands and forearms (1500 cm²)
Other given operational conditions affecting workers	Liquid	Control of pH value.
exposure	Granular solid	On application, the product does not form dust.
	Local exhaust ventilation	Not applicable.

## Risk management measures

Technical conditions and measures to control	Not applicable	i'i
dispersion from the source towards the worker		

## 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



## Annex with exposure scenario

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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	Local exhaust ventilation	Not applicable.
exposure	Assumes a good basic standard of occupational hygiene is implemented.	0

# 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 Contribu	2 Contributing scenario controlling environmental exposure (ERC2, ERC4, ERC8a, ERC8b, ERC9a, ERC9b)	
ERC2	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)	
ERCBb Widespread use of reactive processing aid (no inclusion into or onto article, indoor)		
ERC9a	ERC9a Widespread use of functional fluid (indoor)	

	Covers skin contact area up to	both hands and forearms (1980 cm²)
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

- 11			
	Technical conditions and measures to control	Not applicable	
J	dispersion from the source towards the worker	200	

## 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

## Operational conditions

Amount used	Amounts used	100000 t/yr
Other given operational conditions affecting environmental exposure	Not applicable	2

## 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.	- 1

## 3. Exposure estimation and reference to its source

## 3.1. Healt

Information for c	ontributing 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 contribution		
2.2	EUSES	
No.	7	

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

Guidance - Health	No data available	
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## Annex with exposure scenario

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Operational	conditions
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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	Local exhaust ventilation	Not applicable.
exposure	Assumes a good basic standard of occupational hygiene is implemented.	0

### 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

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

Washing and clea	ning 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	Т
Concentration of the Substance in Mixture/Article	Covers percentage substance in the product up to 25 %, Unless otherwise stated	П

## Operational conditions

Human factors not influenced by risk management	Covers skin contact area up to	Both hands (960 cm²)
Other given operational conditions affecting consumers exposure	respiration volume (under conditions of use)	26 m <sup>3</sup> Default values: Cleaning and washing/laundry products/detergent liquids
	Covers use in room size of .	20 m³
	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	Not applicable	
behavioural advice to consumers	50 a	



Guidance - Environment

## **Safety Data Sheet-**

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Frequency and duration		Emission days (days/year):		365
Human factors not influ		Exposure duration		1 events per day
Human factors not influ			Exposure duration	
Human factors not influenced by risk management		Covers skin contact area up to		> 4 h Palms of both hands
Other given operational conditions affecting workers exposure		Local exhaust ventilation		om2) Not applicable.
		Assumes a good basic standar hygiene is implemented.	d of occupational	0
Risk management me	asures			
Conditions and measures related to personal protection, hygiene and health evaluation		hygiene is implemented.	and the second	er K
		long sleeves.	Andrew State State State Co. 1979	5
2.2 Contributing	2.2 Contributing scenario controlling environme		RC8a, ERC8b, ERC9a,	ERC9b)
ERC2	Formulation into mixture			
ERC4		essing aid at industrial site (no inclusion into or onto article)		
ERC8a				1.1.
ERC8b			-	
ERC9a Widespread use of functional fluid (Indoor)			* :-	
111 WARTEN				
Widespread u	se of non-reactive processing at	d (no inclusion into or onto article.	outdoor)	18
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eristics				
aracteristics	Readily biodegrad	table		8
ditions				
ullions	Annual site tonna	na (tanahisar)	1 100000	
Amount used Frequency and duration of use				2
Environmental factors not influenced by risk management				
Other given operational conditions affecting				
environmental exposure			10000 t/yr	9
			200 t/yr	9
oner management	Praction of the ma	iin local source	0,0005	- 2
The state of the s	- 9		- 20	
Conditions and measures related to external recovery of waste			Can be landfilled or incinerated, when it compliance with lov regulations.	n
			Fertilizers	
stimation and refere	nce to its source			
antella dina narra sa	da			
The state of the s				
rvo data avallab	RE .			
ment				
ontributing exposure scenar	io			8
EUSES				i i
Downstream User	to evaluate whether he v	vorks inside the boundarie	es set by the ES	
PAG.	data musilahia			
n No	data avallable			
	2.2 Contributing  ERC2  ERC4  ERC8a  ERC8a  ERC9a  Widespread u  cristics  aracteristics  ditions  uration of use ctors not influenced by risk ational conditions affecting posure  ational conditions affecting posure  contribution and refero  ontributing exposure scenar  No data availab  ment  ontributing exposure scenar  EUSES  Downstream User	2.2 Contributing scenario controlling environm  ERC2 Formulation into mixture ERC4 Use of non-reactive proc ERC8a Widespread use of non-reactive proc ERC9a Widespread use of functional ERC9a Widespread use of functional fluid (indoor) Widespread use of functional fluid (indoor) Widespread use of functional fluid (outdoor) Widespread use of functional fluid (outdoor)  eristics aracteristics Readily biodegrad ditions  Annual site tonna uration of use Continuous uselve ctors not influenced by risk Local freshwater of Local marine wate ational conditions affecting posure  Excellent to the market tonna fraction of the market tonna fraction and reference to its source outside.  Stimation and reference to its source outside exposure scenario No data available  ment  No data available  No data available  No data available  No data available	protection, hygiene and health evaluation    Annual site tonnage (tons/year):   British   British   British   British   British     British   British   British   British   British     British   British   British   British     British   British   British   British     British   British   British   British     British   British   British   British     British   British   British   British     British   British   British   British     British   British   British   British     British   British   British   British     British   British   British   British     British   British   British   British     British   British   British   British     British   British   British	Inguiene is a trajtemented,   Wear gloves, Safety glasses, Wear work clothes with   Inguiene is trajtemented,   Wear gloves, Safety glasses, Wear work clothes with   Inguiene safety grocessing and refer to section 8 of the SDS.  2.2 Contributing scenario controlling environmental exposure (ERC2, ERC4, ERC8a, ERC8b, ERC9a, ERC8a)   ERC4

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