According to Regulation (EC) 1907/2006, (REACH), 1272/2008 (CLP) & Seite 1 von 23 2020/878 Revision date. 26.09.2022 Version 5.1 Printing date: 05.04.2023 **Poliresin®** SECTION 1: Identification of the substance/mixture and of the company/undertaking **Product identifier** 1.1 Commercial product name: Poliresin Product description: Polishing material Chemical name: Diatomaceous Earth Flux-Calcined, Kieselguhr Flux-Calcined CAS No.: 68855-54-9 14464-46-1 EINECS No .: 272-489-0 238-455-4 01-2119488518-22-0002 **REACH Registration No.:** 1.2 Recommended use of the chemical and restrictions on use Identified Use(s): Used as a carrier, a silica source, or as a functional additive for paint, cosmetics, plastics, rubber or other applications. Use as filter aid in industrial settings. **Exposure Scenario** No. Page: 1 Manufacture of kieselguhr soda ash flux 10 calcined 2 Use as filter aid in industrial settings 13 3 Industrial, professional and private use of 16 substance or mixtures containing the substance 4 Consumer use; Cosmetics, personal care 20 products **Used Advised Against:** Anything other than the above. 1.3 Details of the supplier of the safety data sheet Manufacturer/Supplier: ERNST HINRICHS Dental GmbH Street / mailbox: Borsigstr. 1 D - 38644 Goslar Country code. / postal code / city: Phone: 0 53 21 / 5 06 24 Fax: 0 53 21 / 5 08 81 E-mail / Website: info@hinrichs-dental.de / www.hinrichs-dental.de Further information obtainable from: **ERNST HINRICHS Dental GmbH** 1.4 **Emergency telephone number** ERNST HINRICHS Dental GmbH: +49 (0) 53 21 / 5 06 24 (Mon-Fri. 8 a.m. – 4 p.m.) **SECTION 2: Hazards identification** Classification of the substance or 2.1 This product contains cristobalite (fine fraction) at: < 1%. mixture: Depending on the type of handling and use (e.g. grinding, drying), airborne fine fraction crystalline silica may be generated. Prolonged and/or massive inhalation of fine fraction crystalline silica dust may cause lung fibrosis, commonly referred to as silicosis. Principal symptoms of silicosis are cough and breathlessness. Occupational exposure to fine fraction crystalline silica dust should be monitored and controlled.

2.1.1 Regulation (EC) No. 1272/2008 (CLP): Not classified as hazardous for supply/use.

 2.2
 Label elements:
 According to Regulation (EC) No. 1272/2008 (CLP)

 Contains:
 Diatomaceous Earth, Flux-Calcined (Kieselguhr)

 Hazard Pictogram(s):
 None assigned.

 Signal Word(s):
 None assigned.

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Hazard Statement(s):None assigned.Precautionary Statement(s):None assigned.

2.3 Other hazards:

SECTION 3: Composition/information on ingredients

3.1 Substances:

EC Classification Regulation (EC) No. 1272/2008 (CLP)

Chemical identity of the substance	%W/W	CAS. No.	EC No.
Diatomaceous Earth, Flux-Calcined (Kieselguhr)	circa. 100	68855-54-9	272-489-0
Contains: Cristobalite (Respirable Dust), <1 Fine Fraction	<1	14464-46-1	238-455-4
Crystalline Silica per SWeRF calculation			

3.2 Mixtures:

Not applicable.

None.

SECTION 4: First aid measures



4.1	Description of first aid measures	
	Inhalation:	If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. If irritation develops and persists, get medical attention. Blow nose to evacuate dust.
	Skin contact:	Remove clothing and wash thoroughly before use. Wash affected skin with soap and water. If skin irritation or rash occurs: Get medical advice/attention.
	Eye contact:	Flush eyes with water for at least 15 minutes while holding eyelids open. Get medical attention if eye irritation develops or persists.
	Ingestion:	Rinse mouth. Give plenty of water to drink. Get medical attention.
4.2	Most important symptoms and effects, both acute and delayed:	Prolonged and/or massive exposure to fine fraction crystalline silica-containing dust may cause silicosis, a nodular pulmonary fibrosis caused by deposition in the lungs of fine respirable particles of crystalline silica. Acute inhalation can cause dryness of the nasal passage and lung congestion, coughing and general throat irritation. Chronic inhalation of dust should be avoided. May cause irritation to the respiratory system.
4.3	Indication of any immediate medical attention and special treatment needed:	Unlikely to be required but if necessary treat symptomatically. There is no specific antidote. Remove person to fresh air and keep comfortable for breathing.
	N 5: Firefighting measures	
5.1	Extinguishing media: Suitable extinguishing media:	Non-flammable. Extinguish with carbon dioxide, dry chemical, foam or water spray. As appropriate for surrounding fire.
	Unsuitable extinguishing media:	None.



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5.2	Special hazards arising from the substance or mixture:	Non-flammable, non-combustible, not explosive.
5.3	Advice for fire-fighters:	Fight fire with normal precautions from a reasonable distance. Fire fighters should wear complete protective clothing including self-contained breathing apparatus.
SECTIO	ON 6: Accidental release measures	
6.1	Personal precautions, protective equipment and emergency procedures:	Ensure adequate ventilation. Avoid generation of dust. Do not breathe dust. Wear appropriate personal protective equipment, avoid direct contact. Where engineering controls are not fitted or inadequate wear suitable respiratory protective equipment.
6.2	Environmental precautions:	No special requirements.
6.3	Methods and material for containment and cleaning up:	Sweep spilled substances into containers if appropriate moisten first to prevent dusting. Use vacuum equipment for collecting spilt materials, where practicable. Transfer to a container for disposal.
6.4	Reference to other sections:	See sections 8 and 13.
SECTIO	DN 7: Handling and storage	
7.1	Precautions for safe handling:	Handle packaged products carefully to prevent accidental bursting. If you require advice on safe handling techniques, please contact your supplier or check the GOOD Practice Guide referred to in section 16. Avoid generation of dust. In case of inadequate ventilation wear respiratory protection. Do not breathe dust. Wear protective gloves/protective clothing/eye protection/face protection. Avoid contact with the skin, eyes or clothing. Do not eat, drink or smoke when using this product. Wash hands before breaks and after work.
7.2	Conditions for safe storage, including any incompatibilities:	Atmospheric concentrations should be minimised and kept as low as reasonably practicable below the occupational exposure limit.
	Storage life:	Stable under normal conditions. Store in dry place.
	Incompatible material:	Keep away from Hydrofluoric Acid.
7.3	Specific end Use(s):	See section 1.2.

SECTION 8: Exposure controls/personal protection8.1Control parameters8.1.1Occupational Exposure limits

Substance	CAS No.	LTEL (8 hr TWA ppm)	LTEL (8 hr TWA mg/m³)	STEL (ppm)	STEL (mg/m ³)	Note
Silica, Respirable Crystalline	-	-	0.1	-	-	WEL: Workplace Exposure Limit (UK HSE EH40)
Nuisance Dust	-	-	10	-	-	Inhalable Dust. WEL: Workplace Exposure Limit (UK HSE EH40)

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Nuisance	-	-	4	-	-	Respirable Dust. WEL:
Dust						Workplace Exposure Limit
						(UK HSE EH40)

Source: WEL: Workplace Exposure Limit (UK HSE EH40)

Note: For the equivalent limits in other countries, please consult a competent occupational hygienist or the local regulatory authority.

8.1.2 Biological limit value:

Not established.

8.1.3 PNECs and DNELs:

Diatomaceous Earth (Kieselguhr): Not harmful to aquatic organisms. Insoluble in water. On the basis the PNECs for the aquatic compartment have not been derived.

Diatomaceous Earth (Kieselguhr) DNELs	Oral	Inhalation	Dermal
Industry - Long Term - Systemic effects	-	0.05 mg/m ³	-
Consumer - Long Term - Systemic effects	18.7 mg/kg bw/dav	0.05 mg/m ³	-

8.2 Exposure controls

8.2.1 Appropriate engineering controls:

Ensure adequate ventilation. Atmospheric levels should be controlled in compliance with the occupational expose limit. Avoid dust generation.

8.2.2 Individual protection measures, such as personal protective equipment (PPE):

contaminated clothing before reuse. Avoid contact with skin and eyes. Do not breathe dust.

Use personal protective equipment as required. Wash

Eye/Face protection:



Skin protection:

Use skin barrier cream before handling the product. Wear suitable gloves if prolonged skin contact is likely - Wear impervious gloves (EN374). Unsuitable glove materials.

Wear eye protection with side protection (EN166)

Atmospheric levels should be controlled in compliance with the occupational exposure limit. In case of inadequate ventilation wear respiratory protection. Recommended: Halfface mask (DIN EN 140), Filter type P2/P3 - efficiency of at least 90%.

Thermal hazards:

Not applicable.

8.2.3 Environmental Exposure Control

Respiratory protection:

Avoid wind dispersal.

SECTION 9: Physical and chemical properties

9.1	Information on basic physical and chemical properties			
	Appearance:	White powder		
	Odour:	Odourless		
	Odour threshold:	Not available.		
	ph (10% Suspension):	10		

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Melting point / freezing point: Not applicable. Initial boiling point and boiling range: Decomposes below boiling point at (°C): >1300°C Flash point: Non-flammable. Evaporation rate: Not applicable. Flammability (solid, gas): Non-flammable. Upper/lower flammability or explosive Non-flammable. limits: Vapour pressure: Not applicable. Vapour density: Not applicable. Relative density: $2.3 \text{ g/cm}^3 (\text{H}_2\text{O} = 1)$ Solubility(ies): <1% Water Soluble in: Hydrofluoric Acid Partition coefficient: n-octanol/water: Not available. Auto-ignition temperature: Not applicable. **Decomposition Temperature:** Not available. Viscosity: Not applicable, solid. Explosive properties: Not explosive. Oxidising properties: Not oxidising. Particle Characteristics: Not available. 9.2 Other information: None. **SECTION 10: Stability and reactivity** Stable under normal conditions. 10.1 **Reactivity:** 10.2 **Chemical Stability:** Stable under normal conditions. 10.3 Possibility of hazardous reactions: Stable under normal conditions. 10.4 Avoid contact with: Hydrofluoric Acid. Do not leave in enclosed Conditions to Avoid: spaces when mixed with highly flammable material, as heat can build up over long periods of time and flammable material may eventually ignite. 10.5 **Incompatible Materials:** Reacts violently with Hydrofluoric Acid. 10.6 Hazardous decomposition products: No hazardous decomposition products known.

SECTION 11: Toxicological information

11.1	Information on toxicological effects Acute toxicity:	Based upon the available data, the classification criteria are not met.
	Ingestion:	Based upon the available data, the classification criteria are not met.
	Inhalation:	Based upon the available data, the classification criteria are not met.
	Skin contact:	Based upon the available data, the classification criteria are not met.
	Eye contact:	Based upon the available data, the classification criteria are not met.



Skin corrosion/irritation:

Germ Cell mutagenicity:

Reproductive toxicity:

STOT - single exposure:

STOT - repeated exposure:

Serious eye damage/irritation:

Respiratory or skin sensitization:

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Based upon the available data, the classification criteria are not met.

Based upon the available data, the classification criteria are not met.

Based upon the available data, the classification criteria are not met.

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Based upon the available data, the classification criteria are not met.

Based upon the available data, the classification criteria are not met.

Based upon the available data, the classification criteria are not met.

Based upon the available data, the classification criteria are not met.

11.2 Information on other hazards

11.2.1 Endocrine disrupting properties:

Other information:

Aspiration hazard:

This product does not contain a substance that has endocrine disrupting properties with respect to humans as no components meets the criteria. Prolonged and/or massive exposure to fine fraction crystalline silica-containing dust may cause silicosis, a nodular pulmonary fibrosis caused by deposition in the lungs of fine respirable particles of crystalline silica. In 1997, IARC (the International Agency for research on Cancer) concluded the crystalline silica inhaled from occupational sources can cause lung cancer in humans (human carcinogen category 1). However it pointed out that not all industrial circumstances, nor all crystalline silica types. were to be incriminated. (IARC Monographs on the evaluation of the carcinogenic risks of chemicals to humans, Silica, silicates dust and organic fibres, 1997, Vol. 68, IARC, Lyon, France). In 2009, in the Monographs 100 series, IARC confirmed its classification of Silica Dust, Crystalline in the form of Quartz and Cristobalite (IARC Monographs, Volume 100C, 2012). In June 2003, SCOEL (the EU Scientific Committee on Occupational Exposure Limits) concluded that the main effect in humans of the inhalation of fine fraction crystalline silica dust is silicosis. "There is sufficient information to conclude that the relative risk of lung cancer is increased in persons with silicosis (and, apparently not in employees without silicosis exposed to silica dust in guarries and in the ceramic industry). Therefor preventing the onset of silicosis will also reduce the cancer risk ... " (SCOEL SUM Doc 94-final, June 2003). So there is a body of evidence supporting the fact that increased cancer risk would be limited to people already suffering from silicosis. Worker protection



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> against silicosis should be assured by respecting the existing regulatory occupational exposure limits and implementing additional risk management measures where required (see section 16 below).

SECTIO	ON 12: Ecological information	
12.1	Toxicity:	Not classified as Marine Pollutant.
12.2	Persistence and degradability:	Not applicable.
12.3	Bioaccumulative potential:	The product has no potential for bioaccumulation. Some organisms accumulate Si(OH)4.
12.4	Mobility in soil:	The product is predicted to have low mobility in soil.
12.5	Results of PBT and vPvB assessment:	This product is an inorganic substance and does not meet the criteria for PBT or vPvB in accordance with Annex XIII of REACH.
12.6	Endocrine disrupting properties:	This product does not contain a substance that has endocrine disrupting properties with respect to humans as no components meets the criteria
12.7	Other adverse effects:	None known.
SECTIO	ON 13: Disposal considerations	
13.1	Waste treatment methods:	Dispose of empty containers and waste safely. Dispose of contents in accordance with local, state or national legislation. Ensure all waste water is collected and treated via a waste water treatment plant.
13.2	Additional information:	Packaging waste: Remove all packaging for recovery or disposal. Make sure that packaging is completely empty before recycling. Inform consumer about possible hazards of unclean empty packaging for recycling or disposal.
SECTIO	ON 14: Transport information	
	Not classified according to the United Nati Goods".	ons "Recommendations on the Transport of Dangerous
14.1	UN number:	ADR/RID / IMDG / ICAO/IATA Not applicable.
14.2	UN proper shipping name:	Not applicable.
14.3	Transport hazard class:	Not applicable.
14.4	Packaging group	Not applicable.
14.5	Environmental hazards	Not classified as Marine Pollutant.
14.6	Special precautions for users	Not applicable.
14.7	Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:	Diatomaceous Earth, no special measures are required.



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Additional information: None. **SECTION 15: Regulatory information** Safety, Health and Environmental Regulations/Legislation specific for the substance or mixture 15.1 15.1.1 **EU** regulations Authorisations and/or restrictions on use: None. 15.1.2 **National regulations** Germany: Water hazard class: nwg 15.2 Subject to REACH Registration. A chemical safety Chemical safety assessment: assessment has been carried out. **SECTION 16: Other information** The following sections contain New SDS Regulation 2020/878 format, all sections have been updated to include new information. Please review SDS with revisions or new statements: care. **References:** Existing Safety Data Sheet (SD), Existing ECHA registration(s) for Diatomaceous Earth (Kieselguhr), soda Flux-Calcined

Training

Workers must be informed of the presence of crystalline silica and trained in the proper use and handling of this product as required under applicable regulations. A multi-sectoral social dialogue agreement on Workers Health Protection through the Good Handling and Use of Crystalline Silica and Products Containing it was signed on 25th of April 2006. This autonomous agreement, which received the European Commission's financial support, is based on a GOOD Practice Guide. The requirements of the Agreement came into force on 25th of October 2006. The Agreement was published in the Official Journal of the European Union (2006/C 279/02). The text of the agreement and its annexes, including the Good Practice Guide, are available from http://www.nepsi.eu and provide useful information and guidance for the handling of products containing fine fraction crystalline silica. Literature references are available on request from EUROSIL, the European Association of Industrial Silica Producers.

(CAS No. 68855-54-9).

Legend	
LTEL:	Long Term Exposure Limit
STEL:	Short Term Exposure Limit
DNEL:	Derived No Effect Level
PNEC	Predicted No Effect Concentration
PBT:	Persistent, Bioaccumulative and Toxic
vPvB:	very Persistent and very bioaccumulative
OECD	Organisation for Economic Cooperation and Development
SCOEL:	The EU Scientific Committee on Occupational Exposure
	Limits.
IARS:	International Agency for Research on Cancer
SWeRF:	Size-Weighted Fine Fraction

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Annex to the extended Safety Data Sheet (eSDS)

The following scenarios were addressed in the chemical safety report (CSR) for Kieselguhr, Soda AshFlux-Calcined Fine Cristobalite Fraction as prepared as part of the registration dossier required by the EUREACH Regulation:Exposure scenario 1Manufacture of kieselguhr soda ash flux calcinedExposure scenario 2Use as filter aid in industrial settingsExposure scenario 3Industrial, professional and private use of substance or mixtures containing
the substanceExposure scenario 4Consumer use; Cosmetics, personal care products

Kieselguhr, Soda Ash Flux-Calcined Fine Cristobalite Fraction < 1%

Ricociguin, ooua Asir riux-oak	
CAS No.	68855-54-9
EC No.	272-489-0

Summary of Parameters

Physical parameters	
Melting point/freezing point	> 450 °C
Partition Coefficient (log KOW)	Not applicable
Solubility (Water) (mg/l)	3.7 mg/l @ 20 °C
Molecular weight	66.0843
Biodegradability	The methods for determining the biological degradability are not applicable to inorganic substances.

Human Health (DNEL)			
	Short term	Inhalation (mg/m ³)	0.05 mg/m ³
Workers		Dermal (mg/kg bw/day)	Not determined
	Long Term	Inhalation (mg/m ³)	Not determined
		Dermal (mg/kg bw/day)	Not determined
Consumer		Inhalation (mg/m ³)	0.05 mg/m ³
		Dermal (mg/kg bw/day)	Not determined
		Oral (mg/kg bw/day)	3.5 mg/kg bw/day

Environmental Parameters (PNECs)		
Exposure Scenario	PEC Environment Reasonable worst case	PNEC STP
ES1 Manufacture of kieselguhr soda ash flux calcined	Not defined	Not defined
ES2 Use as filter aid in industrial settings	3.87 mg/l	100 mg/l
ES3 Industrial, professional and private use of substance or mixtures containing the substance	0.329 mg/l	100 mg/l

Contents		
Number of the ES	Title	Page:
Exposure scenario 1	Manufacture of kieselguhr soda ash flux calcined	10
Exposure scenario 2	Use as filter aid in industrial settings	13
Exposure scenario 3	Industrial, professional and private use of substance or mixtures containing the substance	16
Exposure scenario 4	Consumer use; Cosmetics, personal care products	20

Contributing Scenarios

PROC Codes

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PROC1	Use in closed process, no likelihood of exposure
PROC2	Use in closed, continuous process with occasional controlled exposure
PROC3	Use in closed batch process (synthesis or formulation)
PROC4	Use in batch and other process (synthesis) where opportunity for exposure arises
PROC5	Mixing or blending in batch processes for formulation of preparations and articles (multistage and/or significant contact)
PROC7	Industrial spraying
PROC8a	Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at non-dedicated facilities
PROC8b	Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at dedicated facilities
PROC9	Transfer of substance or preparation into small containers (dedicated filling line, including weighing)
PROC10	Roller application or brushing
PROC11	Non industrial spraying
PROC13	Treatment of articles by dipping and pouring
PROC15	Use as laboratory reagent
PROC19	Hand-mixing with intimate contact and only PPE available

Exposure Scenario 1 – Manufacture of kieselguhr soda ash flux calcined

1.0 Contributing Scenarios	
Sector of uses SU	SU3 Industrial uses: Uses of substances as such or in preparations at industrial sites
Process category [PROC]	PROC2 Use in closed, continuous process with occasional controlled exposure PROC3 Use in closed batch process (synthesis or formulation) PROC4 Use in batch and other process (synthesis) where opportunity for exposure arises PROC8b Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at dedicated facilities PROC9 Transfer of substance or preparation into small containers (dedicated filling line, including weighing)
Chemical product category [PC]	PC0 Other Adsorbents, Filling material PC14 Metal surface treatment products, including galvanic and electroplating products
Article Categories [AC]	Not applicable
Environmental release categories [ERC]	ERC1 Manufacture of substances
Specific Environmental Release Categories SPERC	Not applicable

2.0 Operational conditions and risk management measures				
2.1 Control of worker exposure				
Product characteristics				
Physical form of product	White/Beige Powder			
Concentration of substance in product	Covers concentrations up to 10	Covers concentrations up to 100%		
Human factors not influenced by risk management				
Potential exposure area	Not defined			
Frequency and duration of use				
Exposure duration per day	Covers daily exposures up to 8 hours (unless stated differently).			
Exposure time per week	Covers frequency up to: 5 days per week.			
Other operational conditions affecting worker exposure				
Area of use	All contributing scenarios	Indoor		

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Characteristics of the surround	dinas	Not defined			
General measures applicabl					
			plemented. Assumes use at not more than		
			not breathe dust. Avoid dust generation.		
Clear spills immediately. After					
Water. Provide basic employe					
Organisational measures	<u>e training t</u>				
All contributing scenarios Control any potential exposure using measures such as contained o			using measures such as contained or		
J	enclosed systems, properly designed and maintained facilities and a good standard of general ventilation. Drain down systems and clear transfer lines prior to breaking containment. Drain down and flush equipment where possible prior to maintenance. Where there is potential for exposure: Ensure relevant staff are informed of the nature of exposure and aware of basic actions to minimise exposures; Ensure suitable personal protective equipment is available; Clear up spills and dispose of waste in accordance with regulatory requirements; monitor effectiveness				
			the need for health surveillance; identify		
Toobnical conditions of use	and impl	ement corrective actio	ns.		
Technical conditions of use PROC4, PROC5, PROC8a,		haust ventilation is req	ujirod		
PROC8b, PROC9, PROC15, PROC19	Local ex	naust ventilation is req	ullea.		
PROC1, PROC2, PROC3	l lse in cl	osed systems. Local e	exhaust ventilation is required.		
Risk management measures					
Respiratory protection		PROC8b, PROC9	Half-face mask (DIN EN 140), Filter		
Respiratory protection			type P2/P3 - efficiency of at least 90%		
	PROC2,		No special measures are required.		
Hand and/or Skin protection	All contri	buting scenarios	Wear impervious gloves (EN374). Wear suitable coveralls to prevent		
Eye Protection	All contri	buting scenarios	exposure to the skin. Wear eye protection with side protection (EN166).		
Other operational conditions	affecting	worker exposure			
Assumes a good basic standa			lomontod		
2.2 Control of environmenta			Jenened.		
Amounts used	rexposure	5			
Fraction of EU tonnage used i	n region:				
Regional use tonnage (tons/ye	n region. bar):	Not considered to inf	luence the exposure as such for this		
	,	scenario	idence the exposure as such for this		
Fraction of Regional tonnage	useu	306110110			
locally: tons/year	r).	-			
Annual site tonnage (tons/yea		-			
Maximum daily site tonnage (I Environment factors not infl		vriek managamant			
Flow rate of receiving surface		Not defined (default =	- 18 000)		
(m³/d):			= 18,000)		
Local freshwater dilution facto		10			
Local marine water dilution fac	ctor:	100			
Operational conditions					
Emission days (days/year):		Not defined			
Release fraction to air from pr	ocess	No risk is anticipated: Atmospheric concentrations are expected			
(initial release prior to RMM):		to be low.			
Release fraction to wastewate		100 mg/l			
process (initial release prior to	RMM):				



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Release fraction to soil from process (initial release prior to RMM):	No risk is anticipated: Deposition is expected to be low.
	sures to reduce or limit discharges, air emissions and
Treat air emission to provide a typical removal efficiency of (%):	Not defined. It is recommended to pass waste gas from manufacturing processes through bag filters, scrubbers or cyclones.
Treat onsite wastewater (prior to receiving water discharge) to provide the required removal efficiency of (%):	The wastewater resulting from manufacturing of the substance can be treated by sedimentation to remove the solid parts of the substance. The sedimentation is very efficient with a reduction efficacy of 99% or more.
If discharging to domestic sewage treatment plant, provide the required onsite wastewater removal efficiency of (%):	The wastewater resulting from manufacturing of the substance can be treated by sedimentation to remove the solid parts of the substance. The sedimentation is very efficient with a reduction efficacy of 99% or more.
Treat soil emission to provide a typical removal efficiency of (%)	Not defined.
	es thus conservative process release estimates used.
Organisational measures to prevent/limit	
Prevent discharge of undissolved substa Do not apply industrial sludge to natural Sludge should be incinerated, contained	
Conditions and measures related to mur	
Size of municipal sewage system/treatment plant (m ³ /d)	Not defined
Degradation effectiveness (%)	Not defined
Conditions and measures related to exte	ernal treatment of waste for disposal
Type of waste	Solid and Liquid and Gas
Disposal technique	Bury on an authorised landfill site or incinerate under approved controlled conditions. It is recommended to pass waste gas from manufacturing processes through bag filters, scrubbers or cyclones.
Substance release quantities after risk n	
Release to waste water from process (mg/l)	< 3.87 mg/l
Maximum allowable site tonnage (MSafe) (kg/d):	Not defined

3. Exposure estimat	3. Exposure estimation and reference to its source				
3.1 Human exposure	e prediction				
Exposure assessmer		ECETOC TRA	2010		
(method/calculation n	nodel)				
			Inhala	ation	
Process category	Duration	Local	inhalation exposure	Risk	
[PROC]		Exhaust	(mg/m ³)	characterization	
		Ventilation		ratio (RCR)	
PROC1	4 – 8	None	0.01	0.028	
PROC2	4 – 8	90%	0.1	0.278	
PROC3	4 – 8	90%	0.1	0.278	
PROC4	<u><</u> 1	95%	0.25	0.694	
PROC5	<u><</u> 1	95%	0.25	0.694	
PROC8a	<u><</u> 1	95%	0.25	0.694	
PROC8b	<u>< 1</u>	95%	0.25	0.694	



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PROC9 95% 0.2 0.556 <u><</u> 1 PROC15 0.25 95% 0.694 4 – 8 PROC19 < 1 95% 0.25 0.694

Dermal exposure is considered to be not relevant. Oral exposure is not expected to occur.

3.2 Environmental exposure prediction		
Exposure assessment	EUSES	
(method/calculation model)		
Risk characterisation ratio		
Waste water treatment	Not defined: After sedimentation, wastewater sent to the waste water treatment plant contains: < 3.87 mg/l. No effects are observed at this level.	
Aquatic Compartment (Pelagic)	Not defined: Reasonable worst-case local PECs are below the no effect level (3.87 mg/l): 0.387/0.039 mg/l	
freshwater sediment/marine sediment	No risk is anticipated: Kieselguhr is naturally occurring and is considered a natural part of ecosystems.	
Soil	No risk is anticipated: Deposition is expected to be low.	
Atmospheric Compartment	No risk is anticipated: Atmospheric concentrations are expected to be low.	
Indirect exposure to humans via the environment / Secondary Poisoning	The substance has a low solubility in water and thus is essentially unavailable to organisms.	

4. Evaluation guidance to do	wnstream	user			
For scaling see		Where other Risk Management Measures/Operational			
		Conditions are adopted, then users should ensure that risks are			
		managed to at least equivalent	managed to at least equivalent levels.		
		Available hazard data do not su	upport the need for a DNEL to be		
		established for other health effe	ects.		
		Further details on scaling and o	control technologies are provided		
		in SpERC factsheet (http://cefic			
		libraries.html).	v		
		In accordance with ECHAs rec	ommendations, the "worst case"		
		approach has been taken and o			
		recommended for each route o	f exposure have been taken.		
Exposure assessment		Workers	ECETOC TRA 2010		
instrument/tool/method		Environmental exposure	EUSES		
Exposure Scenario 2 – Use a	as filter aid		•		
1.0 Contributing Scenarios		-			
Sector of uses SU	SU3 Inc	SU3 Industrial uses: Uses of substances as such or in preparations at			
	industri	al sites SU4 Manufacture of food	d products		
	SU6a N	Ianufacture of wood and wood p	products		
	SU6b N	lanufacture of pulp, paper and p	paper products		
	SU8 Ma	anufacture of bulk, large scale cl	hemicals (including petroleum		
	product	s)			
	SU9 Ma	anufacture of fine chemicals			
	SU15 N		Manufacture of fabricated metal products, except machinery and		
	equipm	ent			
			Building and construction work		
Process category [PROC]	PROC1 Use in closed process, no likelihood of exposure				
		2 Use in closed, continuous proc			
	exposu	re PROC3 Use in closed batch p	process (synthesis or		
	formula	,			
		Use in batch and other process	s (synthesis) where opportunity		
	for expo	osure arises			



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	PROC5 Mixing or blending in batch processes for formulation of
	preparations and articles (multistage and/or significant contact)
	PROC8a Transfer of substance or preparation (charging/discharging)
	from/to vessels/large containers at non-dedicated facilities
	PROC8b Transfer of substance or preparation (charging/discharging)
	from/to vessels/large containers at dedicated facilities
	PROC9 Transfer of substance or preparation into small containers
	(dedicated filling line, including weighing)
	PROC15 Use as laboratory reagent
	PROC19 Hand-mixing with intimate contact and only PPE available
Chemical product category [PC]	PC0 Other Filtration material PC2 Adsorbents
	PC14 Metal surface treatment products, including galvanic and
	electroplating products PC20 Products such as ph-regulators,
	flocculants, precipitants, neutralization agents PC25 Metal working fluids
	PC35 Washing and cleaning products (including solvent based
	products)
Article Categories [AC]	Not applicable
Environmental release	ERC1 Manufacture of substances ERC2 Formulation of preparations
categories [ERC]	ERC4 Industrial use of processing aids in processes and products, not
	becoming part of articles. ERC6b Industrial use of reactive processing
	aids
	ERC7 Industrial use of substances in closed systems
Specific Environmental Release	Not applicable
Categories SPERC	

2.0 Operational conditions and risk r	management measures	
2.1 Control of worker exposure	nanagement measures	
Product characteristics		
Physical form of product	white powder	
Concentration of substance in product	White/Beige Powder Covers	concentrations up to 100%
Human factors not influenced by risl	k management	
Potential exposure area	Not defined	
Frequency and duration of use		
Exposure duration per day	Covers daily exposures up to	o 8 hours (unless stated differently).
Exposure time per week	Covers frequency up to: 5 da	ays per week.
Other operational conditions affectir	ng worker exposure	
Area of use	All contributing scenarios	Indoor
Characteristics of the surroundings	Room volume	50 m ³
	Ventilation rate	0.6 / 1 hour(s)
General measures applicable to all a		
Assumes a good basic standard of occ		
20°C above ambient temperature, unle		
Clear spills immediately. After contact w		n plenty of: Water. Provide basic
employee training to prevent / minimize	e exposures.	
Organisational measures		
All contributing scenarios	Drain down systems and cle containment. Drain down an prior to maintenance. Where Ensure relevant staff are info and aware of basic actions to	

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	spills and dispose of waste in a			
	requirements; monitor effectiveness of control measures;			
	consider the need for health surveillance; identify and			
Technical conditions of use	implement corrective actions.			
Technical conditions of use		ion or broothing protoction		
PROC4, PROC5, PROC8a, PROC8b, PROC9, PROC15, PROC19	Use with local exhaust ventilat	ion or breatning protection.		
PROC2, PROC3	Use in closed systems.			
Risk management measures related t				
Respiratory protection	PROC4, PROC5, PROC8a, PROC8b, PROC9,	Wear respiratory protection.		
	PROC15, PROC19			
	PROC2, PROC3	No special measures are required.		
Hand and/or Skin protection	All contributing scenarios	Wear impervious gloves (EN374). Wear suitable coveralls to prevent exposure to the skin.		
Eye Protection	All contributing scenarios	Wear eye protection with side protection (EN166).		
Other operational conditions affecting we	orker exposure			
Assumes a good basic standard of occu				
2.2 Control of environmental exposur				
Amounts used				
Fraction of EU tonnage used in region:	Not considered to influence the	e exposure as such for this		
Regional use tonnage (tons/year):	scenario			
Fraction of Regional tonnage used				
locally: tons/year				
Annual site tonnage (tons/year):	2 - 12500			
Maximum daily site tonnage (kg/day):	Not determined.			
Environment factors not influenced b	y risk management			
Flow rate of receiving surface water (m ³ /d):	Not defined (default = 18,000)			
Local freshwater dilution factor:	10			
Local marine water dilution factor:	100			
Operational conditions				
Emission days (days/year):	Not defined			
Release fraction to air from process	No risk is anticipated: Atmosph	neric concentrations are expected		
(initial release prior to RMM):	to be low.			
Release fraction to wastewater from process (initial release prior to RMM):	100 mg/l			
Release fraction to soil from process (initial release prior to RMM):	No risk is anticipated: Deposition is expected to be low.			
Technical onsite conditions and meas releases to soil	sures to reduce or limit discha	rges, air emissions and		
Treat air emission to provide a typical	Not defined. It is recommended to pass waste gas from			
removal efficiency of (%):	manufacturing processes throu cyclones.			
Treat onsite wastewater (prior to receiving water discharge) to provide the required removal efficiency of (%):	The wastewater resulting from manufacturing of the substance can be treated by sedimentation to remove the solid parts of the substance. The sedimentation is very efficient with a reduction efficacy of 99% or more.			

(MSafe) (kg/d):

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> If discharging to domestic sewage The wastewater resulting from manufacturing of the substance treatment plant, provide the required can be treated by sedimentation to remove the solid parts of the onsite wastewater removal efficiency of substance. The sedimentation is very efficient with a reduction (%): efficacy of 99% or more. Treat soil emission to provide a typical Not defined removal efficiency of (%): Note: Common practices vary across sites thus conservative process release estimates used. Organisational measures to prevent/limit release from site Prevent discharge of undissolved substance to or recover from onsite wastewater. Do not apply industrial sludge to natural soils. Sludge should be incinerated, contained or reclaimed. Conditions and measures related to municipal sewage treatment plant Size of municipal sewage Not defined system/treatment plant (m³/d) Degradation effectiveness (%) Not defined Conditions and measures related to external treatment of waste for disposal Type of waste Solid and Liquid and Gas **Disposal technique** Bury on an authorised landfill site or incinerate under approved controlled conditions. It is recommended to pass waste gas from manufacturing processes through bag filters, scrubbers or cyclones. Substance release quantities after risk management measures Release to waste water from process < 3.87 mg/l (mg/l)Maximum allowable site tonnage Not defined

3.1 Human exposur	e prediction				
Exposure assessme	nt	ECETOC TR/	A 2010		
(method/calculation r	model)				
			Inhalation		
Process category	Duration	Local	inhalation exposure	Risk	
[PROC]		Exhaust Ventilation	(mg/m³)	characterization ratio (RCR)	
PROC2	4 – 8	None	0.147	0.408	
PROC3	4 – 8	None	0.147	0.408	
PROC4	4 – 8	None	0.147	0.408	
PROC5	4 – 8	None	0.147	0.408	
PROC8a	4 – 8	None	0.147	0.408	
PROC8b	4 – 8	None	0.147	0.408	
PROC9	4 – 8	None	0.147	0.408	
PROC15	4 – 8	None	0.147	0.408	
PROC19	8	None	0.147	0.408	
Dermal exposure is o	considered to be	not relevant. Oral	exposure is not expected	to occur.	
3.2 Environmental e	exposure predic	tion			
Exposure assessme		EUSES	EUSES		
(method/calculation r	model)				
Risk characterisation	n ratio				
Waste water treatment		Not defined: A	Not defined: After sedimentation, wastewater sent to the waste		
		water treatment plant contains: < 3.87 mg/l. No effects observed at this level.		ng/l. No effects are	
			Not defined: Reasonable worst-case local PECs are below the no effect level		

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	(3.87 mg/l): 0.387/0.0387 mg/l		
freshwater sediment/marine sediment	No risk is anticipated: Kieselguhr is naturally occurring and is		
	considered a natural part of eco	systems.	
Soil	No risk is anticipated: Depositio	n is expected to be low.	
Atmospheric Compartment	No risk is anticipated: Atmosphe	eric concentrations are expected	
	to be low.		
Indirect exposure to humans via the	The substance has a low solubi	lity in water and thus is	
environment / Secondary	essentially unavailable to organ	isms.	
Poisoning			
4. Evaluation guidance to downstream	n user		
For scaling see	Where other Risk Management Measures/Operational		
	Conditions are adopted, then users should ensure that risks are		
	managed to at least equivalent		
		pport the need for a DNEL to be	
	established for other health effe		
		ontrol technologies are provided	
	in SpERC factsheet (http://cefic.	.org/en/reach-for- industries-	
	libraries.html).		
	In accordance with ECHAs recommendations, the "worst case"		
	approach has been taken and only the most stringent RMMs		
	recommended for each route of	•	
Exposure assessment	Workers	ECETOC TRA 2010	
instrument/tool/method	Environmental exposure EUSES		

Exposure Scenario 3 – Industrial, j containing the substance	professional and private use of substance or mixtures
1.0 Contributing Scenarios	
Sector of uses SU	SU3 Industrial uses: Uses of substances as such or in preparations at industrial sites SU21 Consumer uses: Private households (= general public = consumers) SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)
Process category [PROC]	 PROC2 Use in closed, continuous process with occasional controlled exposure PROC3 Use in closed batch process (synthesis or formulation) PROC4 Use in batch and other process (synthesis) where opportunity for exposure arises PROC5 Mixing or blending in batch processes for formulation of preparations and articles (multistage and/or significant contact) PROC7 Industrial spraying PROC8a Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at non-dedicated facilities PROC10 Roller application or brushing PROC11 Non industrial spraying PROC13 Treatment of articles by dipping and pouring PROC19 Hand-mixing with intimate contact and only PPE available
Chemical product category [PC]	PC35 Washing and cleaning products (including solvent based products) PC37 Water treatment chemicals
Article Categories [AC]	AC10 Rubber articles AC13 Plastic articles

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Environmental release categories	ERC1 Manufacture of substances
[ERC]	ERC2 Formulation of preparations
	ERC8a Wide dispersive indoor use of processing aids in open
	systems
	ERC8c Wide dispersive indoor use resulting in inclusion into or
	onto a matrix
	ERC8d Wide dispersive outdoor use of processing aids in open
	systems
	ERC8f Wide dispersive outdoor use resulting in inclusion into or onto a matrix
	ERC10b Wide dispersive outdoor use of long-life articles and
	materials with high or intended release (including abrasive
	processing)
Specific Environmental Release	Not applicable
Categories SPERC	

2.0 Operational conditions a	nd risk ma	anagement measures			
2.1 Control of worker expos					
Product characteristics					
Physical form of product		Solid and Liquid			
Concentration of substance in	product	Covers concentrations	up to 15%		
Human factors not influence	ed by risk	management			
Potential exposure area		Not defined			
Frequency and duration of use	Э				
Exposure duration		Use of coatings and pa containing kieselguhr soda ash flux-calcined	lints	4 – 8 hou	urs
		Use of kieselguhr soda calcined for filtering wa	ter	1 hour/da	•
		Use of cleaners contair kieselguhr soda-ash flux calcined	ning	Professional: 60 min/Use Consumer: 20 min/Days	
Exposure frequency		Use of coatings and paints containing kieselguhr soda ash flux-calcined		225 days per year	
		Use of kieselguhr soda ash flux calcined for filtering water		Professional: Weekly Consumer: Monthly	
		Use of cleaners containing kieselguhr soda-ash flux calcined		Professional: < 8 Uses per day Consumer: 1 Uses per day	
Other operational condition	s affecting	worker exposure			
Area of use		buting scenarios	Indoor		
Characteristics of the	Profession	onal: Use of coatings	Room volume		1 m ³
surroundings		ts containing	Ventilation	rate	0.6 / 1 hour(s)
		kieselguhr soda		ea	200 cm ²
	ash flux-calcined				
	Professional use of hand		Room volume		2.5 m ³
	cleaners		Ventilation		2 / 1 hour(s)
			Release area 5 m ²		5 m ²
0	USES	Not defined			
General measures applicable	e to all act	tivities			

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> Assumes a good basic standard of occupational hygiene is implemented. Assumes use at not more than 20°C above ambient temperature, unless stated differently. Do not breathe dust. Avoid dust generation. Clear spills immediately. After contact with skin, wash immediately with plenty of: Water. Provide basic employee training to prevent / minimize exposures. Organisational measures All contributing scenarios Control any potential exposure using measures such as contained or enclosed systems, properly designed and maintained facilities and a good standard of general ventilation. Drain down systems and clear transfer lines prior to breaking containment. Drain down and flush equipment where possible prior to maintenance. Where there is potential for exposure: Ensure relevant staff are informed of the nature of exposure and aware of basic actions to minimise exposures: Ensure suitable personal protective equipment is available; Clear up spills and dispose of waste in accordance with regulatory requirements; monitor effectiveness of control measures; consider the need for health surveillance; identify and implement corrective actions. Technical conditions of use Local exhaust recommended. All contributing scenarios Risk management measures related to human health Respiratory protection All contributing Wear respiratory protection. scenarios Hand and/or Skin protection Wear impervious gloves (EN374). All contributing Wear suitable coveralls to prevent scenarios exposure to the skin. Eye Protection All contributing Wear eye protection with side protection (EN166). scenarios Other operational conditions affecting worker exposure Assumes a good basic standard of occupational hygiene is implemented. 2.2 Control of environmental exposure Amounts used Tonnage in EU per year 120, tonnes Fraction of EU tonnage used in region: 10 % Regional use tonnage (tons/year): 12 tonnes Fraction of Regional tonnage used Not defined locally: Annual site tonnage (tons/year): Not defined Maximum daily site tonnage (kg/day): Not defined Environment factors not influenced by risk management Flow rate of receiving surface water 2000 (m³/d): Local freshwater dilution factor: 10 Local marine water dilution factor: 100 **Operational conditions** 260 Emission days (days/year): Release fraction to air from process 0 (initial release prior to RMM): Release fraction to wastewater from 0.1 process (initial release prior to RMM): Release fraction to soil from process 0 (initial release prior to RMM):



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Technical onsite conditions and measures to reduce or limit discharges, air emissions and releases to soil Treat air emission to provide a typical Not defined removal efficiency of (%): Treat onsite wastewater (prior to The wastewater resulting from manufacturing of the substance receiving water discharge) to provide can be treated by sedimentation to remove the solid parts of the substance. The sedimentation is very efficient with a reduction the required removal efficiency of (%): efficacy of 99% or more. The wastewater resulting from manufacturing of the substance If discharging to domestic sewage treatment plant, provide the required can be treated by sedimentation to remove the solid parts of the onsite wastewater removal efficiency of substance. The sedimentation is very efficient with a reduction (%): efficacy of 99% or more. Treat soil emission to provide a typical Not defined removal efficiency of (%): Note: Common practices vary across sites thus conservative process release estimates used. No wastewater treatment required. Organisational measures to prevent/limit release from site Vent waste air only via suitable separators or scrubbers. Prevent discharge of undissolved substance to or recover from onsite wastewater. Do not apply industrial sludge to natural soils. Sludge should be incinerated, contained or reclaimed. Conditions and measures related to municipal sewage treatment plant Size of municipal sewage Not defined system/treatment plant (m3/d) Not defined Degradation effectiveness (%) Conditions and measures related to external treatment of waste for disposal Type of waste Solid and Liquid Disposal technique Bury on an authorised landfill site or incinerate under approved controlled conditions. Discharge cleaning water into sewer. Do not discharge cleaning water into small water bodies. Substance release quantities after risk management measures Release to waste water from process 0.012 mg/l (ma/l) Maximum allowable site tonnage Not defined (MSafe) (kg/d):

3. Exposure	estimat	ion and referenc	e to its	source		
3.1 Human e	xposure	e prediction				
Exposure assessment ECETOC TRA 2010 (method/calculation model)						
Risk characte	risation	ratio				
Inhalation						
Туре	Conte nt	Local Exhaust Ventilation	Durat ion	Process category [PROC]	inhalation exposure (mg/m ³)	Risk characterisation ratio
Industrial	10%	NO	6	PROC7	0.325	0.903
Professional	95%	NO	6	PROC11	0.325	0.903

Use of high-solid paints	0.000122	-	0.0015
Use of water-based paints	0.000186		0.0023
Use of solvent-based paints	0.000864		0.011
Use of water-based wall paints	0.00044		0.0055



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Spray painting (trigger cans)	-	37.5	-
Spray painting (pneumatic sprayer)	-	0.676	-
Filtration material	-	0.14	-
Cleaning products	0.00002	-	0.00025

3.2 Environmental exposure prediction	n			
Exposure assessment				
(method/calculation model)				
Risk characterisation ratio				
Waste water treatment	C _{STP} = AMOUNT _{STP}			
	_	DAYS · INHAB · WASTEW _{inhab}		
	AMOUNTSTP	Amount of kieselguhr soda ash flux- calcined released to municipal STPs in the EU per year (1.2E13 mg/Year(s),		
	DAYS	Number of release days (365 Days//Year(s)),		
	INHAB	Number of inhabitants in EU (500 million inhabitants)		
	WASTEWinhab	Wastewater per inhabitant (200 L/day)		
	CSTP	Concentration of kieselguhr soda ash flux- calcined in municipal STP (mg/l).		
	Estimated STP C	oncentration (g/L):		
	C _{STP} =	<u>1.2E13</u> = 0.329 mg/L 365 · 50000000 · 200		
Aquatic Compartment (Pelagic)	Surface Water: 0			
	marine water: 0.0	5		
freshwater sediment/marine sediment	No risk is anticipa	ted: Kieselguhr is naturally occurring and is		
		ural part of ecosystems.		
Soil		ated: Kieselguhr is naturally occurring and is		
	considered a natural part of ecosystems.			
Atmospheric Compartment	No risk is anticipated: Deposition is expected to be low.			
Secondary Poisoning		ated: Atmospheric concentrations are expected		
	to be low.			
Indirect exposure to humans via the	The substance has a low solubility in water and thus is			
environment / Secondary Poisoning	essentially unava	ilable to organisms.		

4. Evaluation guidance to downstream	4. Evaluation guidance to downstream user			
For scaling see	Where other Risk Management Measures/Operational Conditions are adopted, then users should ensure that risks a managed to at least equivalent levels. Available hazard data do not support the need for a DNEL to l established for other health effects. Further details on scaling and control technologies are provide in SpERC factsheet (http://cefic.org/en/reach-for- industries- libraries.html). In accordance with ECHAs recommendations, the "worst case approach has been taken and only the most stringent RMMs recommended for each route of exposure have been taken.			
Exposure assessment	Workers	ECETOC TRA 2010 / RIVM 2008		
instrument/tool/method	Consumer	RIVM 2008		
	Environmental exposure	EUSES		

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Exposure Scenario 4 – Consumer use; Cosmetics, personal care products		
1.0 Contributing Scenarios		
Sector of uses SU	SU21 Consumer uses: Private households (= general public =	
	consumers)	
Process category [PROC]	Not applicable	
Chemical product category [PC]	PC39 Cosmetics, personal care products	
Article Categories [AC]	Not applicable	
Environmental release categories	ERC8a Wide dispersive indoor use of processing aids in open	
[ERC]	systems	
Specific Environmental Release	Not applicable	
Categories SPERC		

2.0 Operational conditions and risk management measures			
2.1 Control of worker exposure			
Product characteristics			
Physical form of product	Not defined		
Concentration of substance in product	Not defined		
Conditions of use affecting exposure			
In accordance to the Article 14 (5b) of the REACh Regulation (EC) No 1907/2006, exposure estimation and risk characterisation for human health does not need to be performed for end uses in cosmetic products within the scope of Directive 76/768/EEC.			
Risk management measures			
Respiratory protection	No specific measures identified.		
Hand/Skin protection	No specific measures identified.		
Eye Protection	No specific measures identified.		
2.2 Control of environmental exposure			
Conditions of use affecting exposure			
Daily local widespread use amount	< 300 g/Day		
Dispose of waste product or used containers according to local regulations. Waste water of facility is assumed to be treated in municipal waste water treatment.			

3. Exposure estimation and reference to its source

3.1 Human exposure prediction

In accordance to the Article 14 (5b) of the REACh Regulation (EC) No 1907/2006, exposure estimation and risk characterisation for human health does not need to be performed for end uses in cosmetic products within the scope of Directive 76/768/EEC.

3.2 Environmental exposure prediction				
Exposure assessment		EUSES		
(method/calculation model)				
Environmental Release				
Water		0.302 kg/day (ERC)		
Air		0.302 kg/day (ERC)		
Soil		0 kg/day (ERC)		
Risk characterisation ratio				
Protection target	Exposure estimation		Risk characterisation ratio	
Sewage Treatment Plant	0.151 mg/l (EUSES 2.1.2)		< 0.01	
Man via environment - Inhalation	2.06	E-6 mg/m ³ (EUSES 2.1.2)	< 0.01	
Man via environment - Oral	5.67E-4 mg/kg bw/day (EUSES		< 0.01	
	2.1.2)		
Man via environment - Combined	-		< 0.01	

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4. Evaluation guidance to downstream user		
If safe use conditions stated in the exposure scenario cannot be enforced, alternatives measures must be		
equivalent or better than those stated in this exposure scenario		
For scaling see	EUSES v. 2.1.2	
	Guidance is based on assumed operating conditions which may	
	not be applicable to all sites; thus, scaling may be necessary to	
	define appropriate site-specific risk management measures.	