

## Safety data sheet according to Regulation (EC) No 1907/2006, Annex II

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1 Product identifier

**Silikon- u. Wachsentferner 250 mL**  
**Art.: 1555**

#### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Cleaner  
 Chemical product category [PC]:  
 PC35 - Washing and cleaning products  
**Uses advised against:**  
 No information available at present.

#### 1.3 Details of the supplier of the safety data sheet

LIQUI MOLY GmbH  
 Jerg-Vieland-Str. 4  
 89087 Ulm-Lehr  
 Tel.: (+49) 0731-1420-0  
 Fax: (+49) 0731-1420-88

Qualified person's e-mail address: info@chemical-check.de, k.schnurbusch@chemical-check.de Please DO NOT use for requesting Safety Data Sheets.

#### 1.4 Emergency telephone number Emergency information services / official advisory body:

...  
**Telephone number of the company in case of emergencies:**  
 +49 (0) 700 / 24 112 112 (LMFR)

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

**Classification according to Regulation (EC) 1272/2008 (CLP)**  
 The mixture is not classified as dangerous in the terms of the Regulation (EC) 1272/2008 (CLP).

#### 2.2 Label elements

**Labeling according to Regulation (EC) 1272/2008 (CLP)**

EUH208-Contains 1,2-benzisothiazol-3(2H)-one, Tetrahydro-1,3,4,6-tetrakis(hydroxymethyl)imidazol[4,5-d]imidazole-2,5-(1H,3H)-dione, Sweet orange extract. May produce an allergic reaction.  
 EUH210-Safety data sheet available on request.

#### 2.3 Other hazards

The mixture does not contain any vPVB substance (vPVB = very persistent, very bioaccumulative) or is not included under XIII of the regulation (EC) 1907/2006 (< 0,1 %).

The mixture does not contain any PBT substance (PBT = persistent, bioaccumulative, toxic) or is not included under XIII of the regulation (EC) 1907/2006 (< 0,1 %).

### SECTION 3: Composition/information on ingredients

#### 3.1 Substance

n.a.

#### 3.2 Mixture

Hydrocarbons, C10-C13, n-alkanes, <2% aromatics	01-2119475608-26-XXXX
Registration number (REACH)	...
Index	...
EINECS, EL INCS, NLP	929-018-5 (REACH-IT List-No.)
CAS	...
content %	2,5-10
Classification according to Regulation (EC) 1272/2008 (CLP)	Asp, Tox. 1, H304

Propan-2-ol	
Registration number (REACH)	01-2119457588-25-XXXX
Index	603-117-00-0
EINECS, EL INCS, NLP	200-661-7
CAS	67-83-0
content %	1-2,5
Classification according to Regulation (EC) 1272/2008 (CLP)	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336

Oleic acid polyethylene glycol diester	
Registration number (REACH)	...
Index	...
EINECS, EL INCS, NLP	...
CAS	52668-97-0
content %	1-2,5
Classification according to Regulation (EC) 1272/2008 (CLP)	Skin Irrit. 2, H315

1-propoxypropan-2-ol	
Registration number (REACH)	01-2119474443-37-XXXX
Index	...
EINECS, EL INCS, NLP	216-372-4
CAS	1569-01-3
content %	1-2,5
Classification according to Regulation (EC) 1272/2008 (CLP)	Flam. Liq. 3, H226 Eye Irrit. 2, H319

For the text of the H-phrases and classification codes (GHS/CLP), see Section 16.  
 The substances named in this section are given with their actual, appropriate classification!  
 For substances that are listed in appendix VI, table 3.1 of the regulation (EC) no. 1272/2008 (CLP regulation) this means that all notes that may be given here for the named classification have been taken into account.

### SECTION 4: First aid measures

#### 4.1 Description of first aid measures

First-aiders should ensure they are protected!  
 Never pour anything into the mouth of an unconscious person!

#### Inhalation

Supply person with fresh air and consult doctor according to symptoms.

#### Skin contact

Remove polluted, soaked clothing immediately, wash thoroughly with plenty of water and soap. In case of irritation of the skin (flare), consult a doctor.

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II  
 Revision date / version: 17.12.2019 / 0017  
 Replacing version dated / version: 01.08.2019 / 0016  
 Valid from: 17.12.2019  
 PDF print date: 16.12.2019  
 Silkoln- u. Wachsentferner 250 mL  
 Art.: 1555

**Eye contact**

Remove contact lenses.  
 Wash thoroughly for several minutes using copious water. Seek medical help if necessary.

**Ingestion**

Rinse the mouth thoroughly with water.  
 Do not induce vomiting - give copious water to drink. Consult doctor immediately.

**4.2 Most important symptoms and effects, both acute and delayed**

If applicable delayed symptoms and effects can be found in section 11 and the absorption route in section 4.1.  
 In certain cases, the symptoms of poisoning may only appear after an extended period / after several hours.

Sensitive individuals:  
 Allergic reaction possible.

**4.3 Indication of any immediate medical attention and special treatment needed**

Symptomatic treatment.

**SECTION 5: Firefighting measures**

**5.1 Extinguishing media**

**Suitable extinguishing media**

CO2  
 Extinction powder  
 Water jet spray  
 Large fire:

Water jet spray / alcohol resistant foam

**Unsuitable extinguishing media**

High volume water jet

**5.2 Special hazards arising from the substance or mixture**

In case of fire the following can develop:

Oxides of carbon  
 Toxic gases

**5.3 Advice for firefighters**

In case of fire and/or explosion do not breathe fumes.

Protective respirator with independent air supply.

According to size of fire

Full protection, if necessary.

Dispose of contaminated extinction water according to official regulations.

**SECTION 6: Accidental release measures**

**6.1 Personal precautions, protective equipment and emergency procedures**

Ensure sufficient supply of air.

Avoid contact with eyes or skin.

If applicable, caution - risk of slipping.

**6.2 Environmental precautions**

If leakage occurs, dam up.

Resolve leaks if this possible without risk.

Prevent surface and ground-water infiltration, as well as ground penetration.

Prevent from entering drainage system.

If accidental entry into drainage system occurs, inform responsible authorities.

**6.3 Methods and material for containment and cleaning up**

Soak up with absorbent material (e.g. universal binding agent, sand, diatomaceous earth, sawdust) and dispose of according to Section 13.

**6.4 Reference to other sections**

For personal protective equipment see Section 8 and for disposal instructions see Section 13.

**SECTION 7: Handling and storage**

In addition to information given in this section, relevant information can also be found in section 8 and 6.1.

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II  
 Revision date / version: 17.12.2019 / 0017  
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 Silkoln- u. Wachsentferner 250 mL  
 Art.: 1555

**7.1 Precautions for safe handling**

**7.1.1 General recommendations**

Ensure good ventilation.

Avoid contact with eyes or skin.

Eating, drinking, smoking, as well as food-storage, is prohibited in work-room.

Observe directions on label and instructions for use.

**7.1.2 Notes on general hygiene measures at the workplace**

General hygiene measures for the handling of chemicals are applicable.

Wash hands before breaks and at end of work.

Keep away from food, drink and animal feedingstuffs.

Remove contaminated clothing and protective equipment before entering areas in which food is consumed.

**7.2 Conditions for safe storage, including any incompatibilities**

Not to be stored in garages or stair wells.

Store product closed and only in original packing.

Protect from direct sunlight and warming.

Protect from frost.

**7.3 Specific end uses(s)**

No information available at present.

**SECTION 8: Exposure controls/personal protection**

**8.1 Control parameters**

Workplace exposure limit (WEL) of the total hydrocarbon solvent content of the mixture (RCP method according to EH40):  
 800 mg/m3

36	<b>Chemical Name</b>	Hydrocarbons, C10-C13, n-alkanes, <math>\leq 2\%</math> aromatics	Content %: 2,5-10
	WEL-TWA: 800 mg/m3	WEL-STEL: ---	---
	Monitoring procedures:	- Draeger - Hydrocarbons 2/a (81 03 581) - Draeger - Hydrocarbons 0,1%/c (81 03 571) - Compur - KITJA-187, S (351 174)	
BMGV: ---		Other information: (OEL acc. to RCP-method, paragraphs 84-87, EH40)	
36	<b>Chemical Name</b>	Propan-2-ol	Content %: 1,2-5
	WEL-TWA: 400 ppm (999 mg/m3)	WEL-STEL: 500 ppm (1250 mg/m3)	---
	Monitoring procedures:	- Compur - KITJA-122 SA(C) (549 277) - Compur - KITJA-150 U (550 362) - Draeger - Alcohol 25/a i-Propanol (81 01 831) - DFG (D) (Loesungsmittelgemische), DFG (E) (Solvent mixtures 6) - 1998, 2002 - EU project BC/CEN/ENTR/000/2002-16 card 66-3 (2004) - Draeger - Alcohol 100/a (CH 29 701)	
BMGV: ---		Other information: ---	
36	<b>Chemical Name</b>	Aluminium oxide	Content %:
	WEL-TWA: 10 mg/m3 (total inhal. dust), 4 mg/m3 (resp. dust) (aluminum oxides)	WEL-STEL: ---	---
	Monitoring procedures:	---	
BMGV: ---		Other information: ---	
36	<b>Chemical Name</b>	China stone	Content %:
	WEL-TWA: 2 mg/m3 (res. dust)	WEL-STEL: ---	---
	Monitoring procedures:	---	
BMGV: ---		Other information: ---	

Propan-2-ol Area of application	Exposure route / Environmental compartment	Effect on health	Descriptor	Value	Unit	Note

Exposure route / Environmental compartment	Effect on health	Descriptor	Value	Unit	Note
Environment - freshwater		PNEC	140,9	mg/l	
Environment - marine		PNEC	140,9	mg/l	
Environment - sediment, freshwater		PNEC	552	mg/kg	
Environment - sediment, marine		PNEC	552	mg/kg	
Environment - soil		PNEC	28	mg/kg	
Environment - sewage treatment plant		PNEC	2251	mg/l	
Environment - water, sporadic (intermittent) release		PNEC	140,9	mg/l	
Environment - oral (animal feed)		PNEC	160	mg/kg feed	
Human - dermal	Long term	DNEL	319	mg/m <sup>3</sup>	(1 d)
Human - inhalation	Long term	DNEL	89	mg/m <sup>3</sup>	
Human - oral	Long term	DNEL	26	mg/kg	(1 d)
Human - dermal	Long term	DNEL	888	mg/kg	(1 d)
Human - inhalation	Long term	DNEL	500	mg/m <sup>3</sup>	

Area of application	Exposure route / Environmental compartment	Effect on health	Descriptor	Value	Unit	Note
Consumer	Environment - freshwater		PNEC	0,1	mg/l	
	Environment - marine		PNEC	0,01	mg/l	
	Environment - water, sporadic (intermittent) release		PNEC	1	mg/l	
	Environment - sewage treatment plant		PNEC	4	mg/l	
	Environment - sediment, freshwater		PNEC	0,386	mg/kg dw	
	Environment - sediment, marine		PNEC	0,0386	mg/kg dw	
	Human - oral	Long term, systemic effects	DNEL	0,0185	mg/kg	
	Human - dermal	Long term, systemic effects	DNEL	2,2	mg/kg bw/day	
	Human - inhalation	Long term, systemic effects	DNEL	2,2	mg/kg bw/day	
	Human - dermal	Long term, systemic effects	DNEL	38	mg/m <sup>3</sup>	
Workers / employees	Human - dermal	Long term, systemic effects	DNEL	9	mg/kg bw/day	
	Human - inhalation	Long term, systemic effects	DNEL	263	mg/m <sup>3</sup>	

Area of application	Exposure route / Environmental compartment	Effect on health	Descriptor	Value	Unit	Note
Industrial Consumer	Environment - sewage treatment plant		PNEC	20	mg/l	
	Human - inhalation	Long term	DNEL	3	mg/m <sup>3</sup>	
	Human - inhalation	Long term	DNEL	3	mg/m <sup>3</sup>	
Human - oral	Long term	DNEL	6,22	mg/kg bw/day		

WEL-TWA = Workplace Exposure Limit - Long-term exposure limit (8-hour TWA (= time weighted average) reference period) EH40, AGW = "Arbeitsplatzgrenzwert" (workplace limit value, Germany).  
 (8) = Inhalable fraction (2017/164/EU, 2017/2398/EU), (9) = Respirable fraction (2017/164/EU, 2017/2398/EU), (1) WEL-STEL = Workplace

Exposure Limit - Short-term exposure limit (15-minute reference period).  
 (8) = Inhalable fraction (2017/164/EU, 2017/2398/EU), (9) = Respirable fraction (2017/164/EU, 2017/2398/EU), (10) = Short-term exposure limit value in relation to a reference period of 1 minute (2017/164/EU), (BMGV = Biological monitoring guidance value EH40, BGW = "Biologischer Grenzwert" (biological limit value, Germany) | Other information: Sen = Capable of causing occupational asthma, Sk = Can be absorbed through skin, Carc = Capable of causing cancer and/or heritable genetic damage.  
 \*\* = The exposure limit for this substance is repealed through the TRGS 900 (Germany) of January 2006 with the goal of revision.

## 8.2 Exposure controls

### 8.2.1 Appropriate engineering controls

Ensure good ventilation. This can be achieved by local suction or general air extraction.  
 If this is insufficient to maintain the concentration under the WEL or AGW values, suitable breathing protection should be worn.  
 Applies only if maximum permissible exposure values are listed here.  
 Suitable assessment methods for reviewing the effectiveness of protection measures adopted include metrological and non-metrological investigative techniques.  
 These are specified by e.g. BS EN 14042.  
 BS EN 14042 "Workplace atmospheres. Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents".

### 8.2.2 Individual protection measures, such as personal protective equipment

General hygiene measures for the handling of chemicals are applicable.  
 Wash hands before breaks and at end of work.  
 Keep away from food, drink and animal feedstuffs.  
 Remove contaminated clothing and protective equipment before entering areas in which food is consumed.

#### Eye/face protection:

Tight fitting protective goggles (EN 166) with side protection, with danger of splashes.

#### Skin protection - Hand protection:

Chemical resistant protective gloves (EN 374).

#### Recommended

Protective nitrile gloves (EN 374).

Minimum layer thickness in mm:

>= 0,4

Permeation time (penetration time) in minutes:

>= 480

Protective hand cream recommended.

The breakthrough times determined in accordance with EN 16528-1 were not obtained under practical conditions.

The recommended maximum wearing time is 50% of breakthrough time.

#### Skin protection - Other:

Protective working garments (e.g. safety shoes EN ISO 20345, long-sleeved protective working garments).

#### Respiratory protection:

Normally not necessary.

If OES or MEL is exceeded,

Filter A P2 (EN 14387), code colour brown, white

Observe wearing time limitations for respiratory protection equipment.

#### Thermal hazards:

Not applicable

Additional information on hand protection - No tests have been performed.

In the case of mixtures, the selection has been made according to the knowledge available and the information about the contents.

Selection of materials derived from glove manufacturer's indications.

Final selection of glove material must be made taking the breakthrough times, permeation rates and degradation into account.

Selection of a suitable glove depends not only on the material but also on other quality characteristics and varies from manufacturer to manufacturer.

In the case of mixtures, the resistance of glove materials cannot be predicted and must therefore be tested before use.

The exact breakthrough time of the glove material can be requested from the protective glove manufacturer and must be observed.

### 8.2.3 Environmental exposure controls

No information available at present.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Physical state: Liquid, Viscous  
 Colour: White  
 Characteristic Odour: Not determined  
 pH-value: 8.2 (20 °C, DIN 19268)  
 Melting point/freezing point: Not determined  
 Initial boiling point and boiling range: 60 °C  
 Flash point: >65 °C  
 Evaporation rate: Not determined  
 Flammability (solid, gas): n.a.  
 Lower explosive limit: 0.6 Vol-%  
 Upper explosive limit: 7 Vol-%  
 Vapour pressure: 1 hPa (20 °C)  
 Vapour density (air = 1): Not determined  
 Density: 1.05 g/cm<sup>3</sup> (20 °C, DIN 51757)  
 Bulk density: n.a.  
 Solubility(ies): Not determined  
 Water solubility: Dispersion, Not miscible  
 Partition coefficient (n-octanol/water): Not determined  
 Auto-ignition temperature: Not determined  
 Decomposition temperature: Not determined  
 Viscosity: Not determined  
 Viscosity: 800 mPas (20 °C)  
 >20.5 mm<sup>2</sup>/s (40 °C)  
 Explosive properties: Product is not explosive,  
 No  
 Oxidising properties: No  
 Miscibility: Not determined  
 Fat solubility / solvent: Not determined  
 Conductivity: Not determined  
 Surface tension: Not determined  
 Solvents content: 14,9 %

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

The product has not been tested.

### 10.2 Chemical stability

Stable with proper storage and handling.

### 10.3 Possibility of hazardous reactions

No dangerous reactions are known.

### 10.4 Conditions to avoid

None known

### 10.5 Incompatible materials

None known

### 10.6 Hazardous decomposition products

See also section 5.2

No decomposition when used as directed.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

Possibly more information on health effects, see Section 2.1 (classification).

Silikon- u. Wachsentferner 250 mL

Art.: 1555

Toxicity / effect	Endpoint	Value	Unit	Organism	Test method	Notes
Acute toxicity, by oral route:						n.d.a.
Acute toxicity, by dermal route:						n.d.a.
Acute toxicity, by inhalation:						n.d.a.
Skin corrosion/irritation:						n.d.a.
Serious eye damage/irritation:						n.d.a.
Respiratory or skin sensitisation:						n.d.a.
Germ cell mutagenicity:						n.d.a.
Carcinogenicity:						n.d.a.
Reproductive toxicity:						n.d.a.
Specific target organ toxicity - single exposure (STOT-SE):						n.d.a.
Specific target organ toxicity - repeated exposure (STOT-RE):						n.d.a.
Aspiration hazard:						n.d.a.
Symptoms:						n.d.a.

### Hydrocarbons, C10-C13, n-alkanes, <2% aromatics

Toxicity / effect	Endpoint	Value	Unit	Organism	Test method	Notes
Acute toxicity, by oral route:	LD50	>5000	mg/kg	Rat	OECD 401 (Acute Oral Toxicity)	Analogous conclusion
Acute toxicity, by dermal route:	LD50	>5000	mg/kg	Rabbit	OECD 402 (Acute Dermal Toxicity)	Analogous conclusion
Acute toxicity, by inhalation:	LC50	>5.6	mg/l/4h	Rat	OECD 403 (Acute Inhalation Toxicity)	Analogous conclusion, Aerosol
Skin corrosion/irritation:					OECD 404 (Acute Dermal Irritation/Corrosion)	Repeated exposure may cause skin dryness or cracking, Not irritant, Analogous conclusion
Serious eye damage/irritation:					OECD 405 (Acute Eye Irritation/Corrosion)	Not irritant, Analogous conclusion
Respiratory or skin sensitisation:					OECD 406 (Skin Sensitisation)	Analogous conclusion, No (skin contact)
Germ cell mutagenicity:					OECD 471 (Bacterial Reverse Mutation Test)	Negative Analogous conclusion
Germ cell mutagenicity:					OECD 473 (In Vitro Mammalian Chromosome Aberration Test)	Negative, Analogous conclusion
Germ cell mutagenicity:					OECD 474 (Mammalian Erythrocyte Micronucleus Test)	Negative, Analogous conclusion
Germ cell mutagenicity:					OECD 476 (In Vitro Mammalian Cell Gene Mutation Test)	Negative, Analogous conclusion
Germ cell mutagenicity:					OECD 478 (Genetic Toxicology - Rodent dominant Lethal Test)	Negative Analogous conclusion
Germ cell mutagenicity:					OECD 479 (Genetic Toxicology - In Vitro Sister Chromatid Exchange assay in Mammalian Cells)	Negative, Analogous conclusion



Page 11 of 17  
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II  
 Replacing date / version: 17.12.2019 / 0017  
 Replacing version dated / version: 01.08.2019 / 0016  
 Valid from: 17.12.2019  
 PDF print date: 18.12.2019  
 Silkon- u. Wachsentferner 250 mL  
 Art.: 1555

Acute toxicity, by inhalation:	LC50	7,6	mg/l/4h	Rat	Aerosol, Maximum achievable concentration, Not irritant
Skin corrosion/irritation:				Rabbit	OECD 404 (Acute Dermal Irritation/Corrosion)
Serious eye damage/irritation:				Rabbit	OECD 405 (Acute Eye Irritation/Corrosion)
Respiratory or skin sensitisation:				Guinea pig	
Germ cell mutagenicity:				in vivo	Not sensitizing
Symptoms:					Negative, Analogous conclusion
Specific target organ toxicity - repeated exposure (STOT-RE), inhalat.:	LOAEL	70	mg/m3	Rat	consipation Lung damage

China stone					
Toxicity / effect	Endpoint	Value	Unit	Organism	Notes
Acute toxicity, by oral route:	LD50	>2000	mg/kg	Rat	OECD 401 (Acute Oral Toxicity)
Acute toxicity, by dermal route:	LD50	>6000	mg/kg	Rat	Mechanical irritation possible.
Serious eye damage/irritation:					
Aspiration hazard:					No

### SECTION 12: Ecological information

Possibly more information on environmental effects, see Section 2.1 (classification).

Silikon- u. Wachsentferner 250 mL					
Toxicity / effect	Endpoint	Time	Value	Unit	Notes
12.1. Toxicity to fish:					n.d.a.
12.1. Toxicity to daphnia:					n.d.a.
12.1. Toxicity to algae:					n.d.a.
12.2. Persistence and degradability:					The surfactant(s) contained in this mixture with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

Page 12 of 17  
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II  
 Replacing date / version: 17.12.2019 / 0017  
 Replacing version dated / version: 01.08.2019 / 0016  
 Valid from: 17.12.2019  
 PDF print date: 18.12.2019  
 Silkon- u. Wachsentferner 250 mL  
 Art.: 1555

12.3. Bioaccumulative potential:					n.d.a.
12.4. Mobility in soil:					n.d.a.
12.5. Results of PBT and vPvB assessment:					n.d.a.
12.6. Other adverse effects:					n.d.a.

Hydrocarbons, C10-C13, n-alkanes, <2% aromatics					
Toxicity / effect	Endpoint	Time	Value	Unit	Notes
12.2. Persistence and degradability:		28d	77-83	%	Readily biodegradable
12.1. Toxicity to fish:	LL50	96h	>10	mg/l	Analogous conclusion
12.1. Toxicity to algae:	EL50	72h	>1000	mg/l	Oncofryncus mykiss
12.1. Toxicity to fish:	NOELR	28d	0,139	mg/l	Skeletonema costatum
12.1. Toxicity to daphnia:	NOELR	21d	0,361	mg/l	Oncofryncus mykiss
12.1. Toxicity to daphnia:	EL50	48h	>1000	mg/l	Daphnia magna
12.1. Toxicity to algae:	EL50	72h	>1000	mg/l	Daphnia magna
12.3. Bioaccumulative potential:					Pseudokirchneriella subcapitata
12.5. Results of PBT and vPvB assessment:					Possible
Other information:					No PBT substance. No vPvB substance
					DOC-elimination degree/complexing substance)>= 80%/28d; n.a.
					Does not contain any organically bound halogens which can contribute to the AOX value in waste water.

Propan-2-ol					
Toxicity / effect	Endpoint	Time	Value	Unit	Notes
12.1. Toxicity to fish:	LC50	96h	>100	mg/l	Leuciscus idus
12.1. Toxicity to daphnia:	EC50	48h	2285	mg/l	Daphnia magna
12.1. Toxicity to fish:	LC50	96h	1400	mg/l	Lepomis macrochirus
12.1. Toxicity to algae:	EC50	72h	>100	mg/l	Desmodesmus subspicatus
12.2. Persistence and degradability:		21d	95	%	OECD 301 E (Ready Biodegradability - Modified OECD Screening Test)
12.2. Persistence and degradability:			99,9	%	OECD 303 A (Simulation Test - Aerobic Sewage Treatment - Activated Sludge Units)

12.3. Bioaccumulative potential:	Log Pow	0,05		OECD 107 (Partition Coefficient (n-octanol/water) - Shake Flask Method)	
12.5. Results of PBT and vPvB assessment	Koc	1,1			No PBT substance. No vPvB substance Expert judgement
12.4. Mobility in soil:					
Toxicity to bacteria:	EC50	>1000	mg/l	activated sludge	
Other information:	THOD	2,4	g/g		
Other information:	BOD5	53	%		References
Other information:	COD	96	%		
Other information:	COD	2,4	g/g		
Other information:	BOD	1171	mg/g		

**Oleic acid polyethylene glycol diester**

Toxicity / effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
12.1. Toxicity to daphnia:	EC50	48h	>10-100	mg/l	Daphnia magna	OECD 202 (Daphnia sp. Acute Immobilisation Test)	
12.2. Persistence and degradability:		28d	>70	%		OECD 301 A (Ready Biodegradability - DOC Die-Away Test)	
12.2. Persistence and degradability:		28d	>60	%		OECD 301 B (Ready Biodegradability - Coz Evolution Test)	
Water solubility:							partially

**1-propoxypropan-2-ol**

Toxicity / effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
12.1. Toxicity to fish:	LC50	96h	3400	mg/l	Pimephales promelas		
12.1. Toxicity to fish:	LC50	96h	>100	mg/l	Oncorhynchus mykiss		
12.1. Toxicity to daphnia:	EC50	48h	>100	mg/l	Daphnia magna	OECD 202 (Daphnia sp. Acute Immobilisation Test)	
12.1. Toxicity to algae:	ERC50	96h	1466	mg/l	Pseudokirchneriella subcapitata		
12.2. Persistence and degradability:		28d	91,5	%		OECD 301 A (Ready Biodegradability - DOC Die-Away Test)	Readily biodegradable
12.3. Bioaccumulative potential:	BCF		<100				Slight
12.3. Bioaccumulative potential:	Log Pow		0,49				
12.4. Mobility in soil:	Koc		1-1,9				No PBT substance. No vPvB substance
12.5. Results of PBT and vPvB assessment							

Toxicity to bacteria:	EC50	16h	3800	mg/l	activated sludge		
<b>Aluminium oxide</b>							
Toxicity / effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
12.1. Toxicity to fish:	LC50	96h	218,6	mg/l	Pimephales promelas		
12.1. Toxicity to daphnia:	NOEC/NOEL	48h	>0,135	mg/l	Daphnia magna	OECD 202 (Daphnia sp. Acute Immobilisation Test)	
12.1. Toxicity to daphnia:	EC50		>100	mg/l	Daphnia magna		Not to be expected
12.3. Bioaccumulative potential:							
12.1. Toxicity to algae:	EC50		>100	mg/l	Selenastrum capricornutum		
12.1. Toxicity to algae:	NOEC/NOEL	72h	>=0,052	mg/l	Selenastrum capricornutum	OECD 201 (Alga Growth Inhibition Test)	
12.2. Persistence and degradability:							Inorganic products cannot be eliminated from water through biological purification methods.
12.5. Results of PBT and vPvB assessment							No PBT substance. No vPvB substance

Toxicity / effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
12.5. Results of PBT and vPvB assessment							No PBT substance. No vPvB substance
12.2. Persistence and degradability:							Inorganic products cannot be eliminated from water through biological purification methods. Mechanical precipitation possible.
12.1. Toxicity to fish:	LC50	96h	>1000	mg/l			
12.1. Toxicity to fish:	LC50	96h	>100	mg/l	Oncorhynchus mykiss	OECD 203 (Fish Acute Toxicity Test)	Analogous conclusion
12.1. Toxicity to daphnia:	LC50	48h	>1100	mg/l	Daphnia magna		References
12.1. Toxicity to algae:	IC50		>1000	mg/l			
12.1. Toxicity to algae:	EC50	72h	>100	mg/l	Scenedesmus subspicatus	OECD 201 (Alga Growth Inhibition Test)	Analogous conclusion
12.2. Persistence and degradability:							Not biodegradable
Water solubility:							Insoluble

**SECTION 13: Disposal considerations**

Page 15 of 17  
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II  
 Revision date / version: 17.12.2019 / 0017  
 Replacing version dated / version: 01.08.2019 / 0016  
 Valid from: 17.12.2019  
 PDF print date: 16.12.2019  
 Silkoln-u. Wachsentsferner 250 mL  
 Art.: 1555

### 13.1 Waste treatment methods For the substance / mixture / residual amounts

EC disposal code no.:  
 The waste codes are recommendations based on the scheduled use of this product. Owing to the user's specific conditions for use and disposal, other waste codes may be allocated under certain circumstances. (2014/955/EU)  
 20 01 25 detergents containing hazardous substances  
 Recommendation:  
 Sewage disposal shall be discouraged.  
 Pay attention to local and national official regulations.  
 E.g. dispose at suitable refuse site.  
 E.g. suitable incineration plant.  
**For contaminated packing material**  
 Pay attention to local and national official regulations.  
 Empty container completely.  
 Dispose of packaging that cannot be cleaned in the same manner as the substance.  
 Uncontaminated packaging can be recycled.  
 Recommended cleaner:  
 Water

## SECTION 14: Transport information

### General statements

14.1. UN number: n.a.  
**Transport by road/by rail (ADR/RID)**  
 14.2. UN proper shipping name:  
 14.3. Transport hazard class(es):  
 14.4. Packing group:  
 Classification code:  
 LC: n.a.  
 14.5. Environmental hazards: Not applicable  
 Tunnel restriction code:  
**Transport by sea (IMDG-code)**  
 14.2. UN proper shipping name:  
 14.3. Transport hazard class(es):  
 14.4. Packing group:  
 Marine Pollutant: n.a.  
 14.5. Environmental hazards: Not applicable  
**Transport by air (IATA)**  
 14.2. UN proper shipping name:  
 14.3. Transport hazard class(es):  
 14.4. Packing group:  
 14.5. Environmental hazards: Not applicable

### 14.6. Special precautions for user

Unless specified otherwise, general measures for safe transport must be followed.

### 14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Non-dangerous material according to Transport Regulations.

## SECTION 15: Regulatory information

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Observe restrictions:  
 General hygiene measures for the handling of chemicals are applicable.  
 Directive 2010/75/EU (VOC): 15,5 %  
**REGULATION (EC) No 648/2004**

Page 16 of 17  
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II  
 Revision date / version: 17.12.2019 / 0017  
 Replacing version dated / version: 01.08.2019 / 0016  
 Valid from: 17.12.2019  
 PDF print date: 18.12.2019  
 Silkoln-u. Wachsentsferner 250 mL  
 Art.: 1555

5 % or over but less than 15 %  
 aliphatic hydrocarbons  
 less than 5 %  
 non-ionic surfactants

perfumes  
 LIMONENE  
 BENZISOTHAZOLINONE  
 FORMALDEHYDE  
 LAURYLAMINE DIPROPYLENEDIAMINE  
 SODIUM PYRITHIONE  
 TETRAMETHYLOLGLYCOLURIL

### 15.2 Chemical safety assessment

A chemical safety assessment is not provided for mixtures.

## SECTION 16: Other information

Revised sections:

2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 14, 15, 16

**Classification and processes used to derive the classification of the mixture in accordance with the ordinance (EG) 1272/2008 (CLP):**  
 Not applicable

The following phrases represent the posted Hazard Class and Risk Category Code (GHS/CLP) of the product and the constituents (specified in Section 2 and 3).

H225 Highly flammable liquid and vapour.  
 H226 Flammable liquid and vapour.  
 H304 May be fatal if swallowed and enters airways.  
 H315 Causes skin irritation.  
 H319 Causes serious eye irritation.  
 H336 May cause drowsiness or dizziness.

Asp. Tox. — Aspiration hazard  
 Flam. Liq. — Flammable liquid  
 Eye Irrit. — Eye irritation  
 STOT SE — Specific target organ toxicity - single exposure - narcotic effects  
 Skin Irrit. — Skin irritation

## Any abbreviations and acronyms used in this document:

acc. acc. to according to  
 ADR Accord européen relatif au transport international des marchandises Dangereuses par Route (= European Agreement concerning the International Carriage of Dangerous Goods by Road)  
 AOX Adsorbable organic halogen compounds  
 approx. approximately  
 Art. Art.no. Article number  
 ASTM ASTM International (American Society for Testing and Materials)  
 BAM Bundesanstalt für Materialforschung und -prüfung (Federal Institute for Materials Research and Testing, Germany)  
 BAuA Bundesanstalt für Arbeitsschutz und Arbeitsmedizin (= Federal Institute for Occupational Health and Safety, Germany)  
 BSEF The International Bromine Council  
 bw body weight  
 CAS Chemical Abstracts Service  
 CLP Classification, Labelling and Packaging (REGULATION (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures)  
 CMR carcinogenic, mutagenic, reproductive toxic  
 DMEI Derived Minimum Effect Level  
 DNEL Derived No Effect Level  
 dw dry weight  
 e.g. for example (abbreviation of Latin 'exempli gratia'), for instance



Page 17 of 17  
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II  
 Revision date / version: 17.12.2019 / 0017  
 Replacing version dated / version: 01.08.2019 / 0016  
 Valid from: 17.12.2019  
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 Silikon- u. Wachsentferner 250 mL  
 Art.: 1555

EC European Community  
 ECHA European Chemicals Agency  
 EEC European Economic Community  
 EINECS European Inventory of Existing Commercial Chemical Substances  
 ELINCS European List of Notified Chemical Substances  
 EN European Norms  
 EPA United States Environmental Protection Agency (United States of America)  
 etc. et cetera  
 EU European Union  
 EVAL Ethylene-vinyl alcohol copolymer  
 Fax. Fax number  
 gen. general  
 GHS Globally Harmonized System of Classification and Labelling of Chemicals  
 GWP Global warming potential  
 IARC International Agency for Research on Cancer  
 IATA International Air Transport Association  
 IBC (Code) International Bulk Chemical (Code)  
 IMDG-code International Maritime Code for Dangerous Goods  
 incl. including, inclusive  
 IUCLID International Uniform Chemical Information Database  
 LQ Limited Quantities  
 MARPOL International Convention for the Prevention of Marine Pollution from Ships  
 n.a. not applicable  
 n.av. not available  
 n.c. not checked  
 n.d.a. no data available  
 OECD Organisation for Economic Co-operation and Development  
 org. organic  
 PBT persistent, bioaccumulative and toxic  
 PNEC Predicted No Effect Concentration  
 ppm parts per million  
 PVC Polyvinylchloride  
 REACH Registration, Evaluation, Authorisation and Restriction of Chemicals (REGULATION (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals)  
 REACH-IT List-No. 9x-xxx-x No. is automatically assigned, e.g. to pre-registrations without a CAS No. or other numerical identifier. List Numbers do not have any legal significance, rather they are purely technical identifiers for processing a submission via REACH-IT.  
 RID Règlement concernant le transport International ferroviaire de marchandises Dangereuses (= Regulation concerning the International Carriage of Dangerous Goods by Rail)  
 SVHC Substances of Very High Concern  
 Tel. Telephone  
 UN RTDG United Nations Recommendations on the Transport of Dangerous Goods  
 VOC Volatile organic compounds  
 vPvB very persistent and very bioaccumulative  
 wwtt wet weight

The statements made here should describe the product with regard to the necessary safety precautions - they are not meant to guarantee definite characteristics - but they are based on our present up-to-date knowledge.  
 No responsibility.

These statements were made by:  
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