

# Safety Data Sheet

## according to Regulation (EC) No. 1907/2006 (REACH)

Trade name : SWIN 70-100-6  
silicone remover  
Revision date : 15.10.2018  
Print date : 15.10.2018

Version (Revision) : 2.0.0 (1.0.1)

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

#### 1.1 Product identifier

SWIN 70-100-6  
silicone remover (34764)

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

##### Relevant identified uses

Washing and cleaning products.

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

##### Supplier (manufacturer/importer/only representative/downstream user/distributor)

SWIN Lacksysteme  
Inh. Ludwig Schöne e.K

Street : Boschweg 5

Postal code/city : D-48351 Everswinkel

Telephone : +49(0)2582/67613

Telefax : +49(0)258267677

Information contact : info@swinsysteme.de

#### 1.4 Emergency telephone number

Tel: +49 (0) 30 / 19 24 0 Giftnotrufzentrale Berlin

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

##### Classification according to Regulation (EC) No 1272/2008 [CLP]

Aquatic Chronic 2 ; H411 - Hazardous to the aquatic environment : Chronic 2 ; Toxic to aquatic life with long lasting effects.

Asp. Tox. 1 ; H304 - Aspiration hazard : Category 1 ; May be fatal if swallowed and enters airways.

Skin Irrit. 2 ; H315 - Skin corrosion/irritation : Category 2 ; Causes skin irritation.

Flam. Liq. 2 ; H225 - Flammable liquids : Category 2 ; Highly flammable liquid and vapour.

Repr. 2 ; H361d - Reproductive toxicity : Category 2 ; Suspected of damaging the unborn child.

STOT SE 3 ; H336 - STOT-single exposure : Category 3 ; May cause drowsiness or dizziness.

#### 2.2 Label elements

##### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

###### Hazard pictograms



Flame (GHS02) · Health hazard (GHS08) · Environment (GHS09) · Exclamation mark (GHS07)

###### Signal word

Danger

###### Hazard components for labelling

hydrocarbons,C9-C11, n-alkanes, isoalkanes,cyclic, < 2 % aromates ; CAS No. : 64742-48-9

NAPHTHA (PETROLEUM), HYDROTREATED LIGHT ; CAS No. : 64742-49-0

TOLUENE ; CAS No. : 108-88-3

XYLENE ; CAS No. : 1330-20-7

###### Hazard statements

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H225 Highly flammable liquid and vapour.  
H304 May be fatal if swallowed and enters airways.  
H361d Suspected of damaging the unborn child.  
H315 Causes skin irritation.  
H336 May cause drowsiness or dizziness.  
H411 Toxic to aquatic life with long lasting effects.

### Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P310 Immediately call a POISON CENTER/doctor.  
P331 Do NOT induce vomiting.  
P403+P233 Store in a well-ventilated place. Keep container tightly closed.  
P501 Dispose of contents/container to disposal.

### Additional information

P240 - Ground and bond container and receiving equipment. P241 - Use explosion-proof electrical/ventilating/lighting equipment. P242 - Use non-sparking tools. P243 - Take action to prevent static discharges. P302+P352 - IF ON SKIN: Wash with plenty of water. P362+P364 - Take off contaminated clothing and wash it before reuse.

### 2.3 Other hazards

Results of PBT and vPvB assessment :

PBT: See section 12.5

vPvB: See section 12.5

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

#### Hazardous ingredients

hydrocarbons,C9-C11, n-alkanes, isoalkanes,cyclic, < 2 % aromates ; REACH registration No. : 01-2119471843-32 ; EC No. : 927-241-2; CAS No. : 64742-48-9

Weight fraction :  $\geq 25 - < 50$  %

Classification 1272/2008 [CLP] : Flam. Liq. 3 ; H226 Asp. Tox. 1 ; H304 STOT SE 3 ; H336 Aquatic Chronic 3 ; H412

NAPHTHA (PETROLEUM), HYDROTREATED LIGHT ; REACH registration No. : 01-2119473851-33 ; EC No. : 920-750-0; CAS No. : 64742-49-0

Weight fraction :  $\geq 25 - < 50$  %

Classification 1272/2008 [CLP] : Flam. Liq. 2 ; H225 Asp. Tox. 1 ; H304 STOT SE 3 ; H336 Aquatic Chronic 2 ; H411

TOLUENE ; REACH registration No. : 01-2119471310-51 ; EC No. : 203-625-9; CAS No. : 108-88-3

Weight fraction :  $\geq 5 - < 10$  %

Classification 1272/2008 [CLP] : Flam. Liq. 2 ; H225 Asp. Tox. 1 ; H304 Repr. 2 ; H361d STOT RE 2 ; H373 Skin Irrit. 2 ; H315 STOT SE 3 ; H336

PROPAN-2-OL ; REACH registration No. : 01-2119457558-25 ; EC No. : 200-661-7; CAS No. : 67-63-0

Weight fraction :  $\geq 5 - < 10$  %

Classification 1272/2008 [CLP] : Flam. Liq. 2 ; H225 Eye Irrit. 2 ; H319 STOT SE 3 ; H336

XYLENE ; REACH registration No. : 01-2119488216-32 ; EC No. : 215-535-7; CAS No. : 1330-20-7

Weight fraction :  $\geq 1 - < 5$  %

Classification 1272/2008 [CLP] : Flam. Liq. 3 ; H226 Asp. Tox. 1 ; H304 STOT RE 2 ; H373 Acute Tox. 4 ; H312 Acute Tox. 4 ; H332 Skin Irrit. 2 ; H315 Eye Irrit. 2 ; H319 STOT SE 3 ; H335

ETHYLBENZENE ; EC No. : 202-849-4; CAS No. : 100-41-4

Weight fraction :  $\geq 0,5 - < 5$  %

Classification 1272/2008 [CLP] : Flam. Liq. 2 ; H225 Asp. Tox. 1 ; H304 STOT RE 2 ; H373 Acute Tox. 4 ; H332 Aquatic Chronic 3 ; H412

#### Additional information

Full text of H- and EUH-phrases: see section 16.

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### SECTION 4: First aid measures

#### 4.1 Description of first aid measures

##### General information

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible). Remove affected person from the danger area and lay down. Observe risk of aspiration if vomiting occurs. If unconscious place in recovery position and seek medical advice. Remove contaminated, saturated clothing immediately.

##### Following inhalation

Provide fresh air. Consult a doctor immediately in the case of inhaling spray mist and show him packing or label.

##### In case of skin contact

After contact with skin, wash immediately with plenty of water and soap.

##### After eye contact

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.

##### After ingestion

Do NOT induce vomiting. Call a physician immediately.

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

Dizziness Headache Nausea Impairment of vision Vomiting

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

None

### SECTION 5: Firefighting measures

#### 5.1 Extinguishing media

##### Suitable extinguishing media

alcohol resistant foam Extinguishing powder Carbon dioxide (CO<sub>2</sub>) Water spray

##### Unsuitable extinguishing media

Full water jet

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

In case of fire may be liberated: Pyrolysis products, toxic Carbon monoxide Carbon dioxide (CO<sub>2</sub>)

#### 5.3 Advice for firefighters

Special protective equipment for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing.

#### 5.4 Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water. Move undamaged containers from immediate hazard area if it can be done safely.

### SECTION 6: Accidental release measures

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

See protective measures under point 7 and 8.

##### For non-emergency personnel

Use personal protection equipment. Remove all sources of ignition. Wear breathing apparatus if exposed to vapours/dusts/aerosols.

##### For emergency responders

Use appropriate respiratory protection. Remove persons to safety. Prevent spread over a wide area (e.g. by containment or oil barriers).

#### 6.2 Environmental precautions

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains. Retain contaminated washing

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water and dispose it.

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

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Collect in closed and suitable containers for disposal. Clear contaminated areas thoroughly.

### 6.4 Reference to other sections

Safe handling: see section 7

Disposal: see section 13

Personal protection equipment: see section 8

## SECTION 7: Handling and storage



### 7.1 Precautions for safe handling

Use explosion-proof machinery, apparatus, ventilation facilities, tools etc. If handled uncovered, arrangements with local exhaust ventilation have to be used. If local exhaust ventilation is not possible or not sufficient, the entire working area should be ventilated by technical means. Only use the material in places where open light, fire and other flammable sources can be kept away. Wear personal protection equipment (refer to section 8). Avoid: generation/formation of aerosols It is recommended to design all work processes always so that the following is excluded: Inhalation Skin contact Eye contact

#### Protective measures

All work processes must always be designed so that the following is excluded: Inhalation of vapours or spray/mists Skin contact Eye contact Take precautionary measures against static discharges.

#### Measures to prevent fire

Keep away from sources of ignition - No smoking. Usual measures for fire prevention. Vapours are heavier than air, spread along floors and form explosive mixtures with air. Keep away from sources of heat (e.g. hot surfaces), sparks and open flames. Provide earthing of containers, equipment, pumps and ventilation facilities. Use only antistatically equipped (spark-free) tools. Wear anti-static footwear and clothing

#### Measures to prevent aerosol and dust generation

Vapours/aerosols must be exhausted directly at the point of origin. Use only in well-ventilated areas.

#### Environmental precautions

Shafts and sewers must be protected from entry of the product.

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

#### Hints on joint storage

Storage class (TRGS 510) : 3

#### Further information on storage conditions

Keep container tightly closed. Keep/Store only in original container.

### 7.3 Specific end use(s)

Observe technical data sheet.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Occupational exposure limit values

hydrocarbons,C9-C11, n-alkanes, isoalkanes,cyclic, < 2 % aromates ; CAS No. : 64742-48-9

Limit value type (country of origin) : AGW ( D )

Limit value : 600 mg/m<sup>3</sup>

Version :

NAPHTHA (PETROLEUM), HYDROTREATED LIGHT ; CAS No. : 64742-49-0

Limit value type (country of origin) : TRGS 900 ( D )

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Limit value : 1200 mg/m<sup>3</sup>

Version :

TOLUENE ; CAS No. : 108-88-3

Limit value type (country of origin) : TRGS 900 ( D )

Limit value : 50 ppm / 190 mg/m<sup>3</sup>

Peak limitation : 4(II)

Remark : H, Y

Version : 01.03.2018

Limit value type (country of origin) : STEL ( EC )

Limit value : 100 ppm / 384 mg/m<sup>3</sup>

Remark : H

Version : 31.01.2018

Limit value type (country of origin) : TWA ( EC )

Limit value : 50 ppm / 192 mg/m<sup>3</sup>

Remark : H

Version : 31.01.2018

PROPAN-2-OL ; CAS No. : 67-63-0

Limit value type (country of origin) : TRGS 900 ( D )

Limit value : 200 ppm / 500 mg/m<sup>3</sup>

Peak limitation : 2(II)

Remark : Y

Version : 01.03.2018

XYLENE ; CAS No. : 1330-20-7

Limit value type (country of origin) : TRGS 900 ( D )

Limit value : 100 ppm / 440 mg/m<sup>3</sup>

Peak limitation : 2(II)

Remark : H

Version : 01.03.2018

Limit value type (country of origin) : STEL ( EC )

Limit value : 100 ppm / 442 mg/m<sup>3</sup>

Remark : H

Version : 31.01.2018

Limit value type (country of origin) : TWA ( EC )

Limit value : 50 ppm / 221 mg/m<sup>3</sup>

Remark : H

Version : 31.01.2018

ETHYLBENZENE ; CAS No. : 100-41-4

Limit value type (country of origin) : TRGS 900 ( D )

Limit value : 20 ppm / 88 mg/m<sup>3</sup>

Peak limitation : 2(II)

Remark : H, Y

Version : 01.03.2018

Limit value type (country of origin) : STEL ( EC )

Limit value : 200 ppm / 884 mg/m<sup>3</sup>

Remark : H

Version : 31.01.2018

Limit value type (country of origin) : TWA ( EC )

Limit value : 100 ppm / 442 mg/m<sup>3</sup>

Remark : H

Version : 31.01.2018

### Biological limit values

TOLUENE ; CAS No. : 108-88-3

Limit value type (country of origin) : TRGS 903 ( D )

Parameter : Toluene / Whole blood (B) / End of exposure or end of shift

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Limit value : 0,6 mg/l  
Version : 01.03.2018  
Limit value type (country of origin) : TRGS 903 ( D )  
o-Cresol / Urine (U) / End of exposure or end of shift ; At long term exposure: after several previous shifts  
Parameter :  
Limit value : 1,5 mg/l  
Version : 01.03.2018  
PROPAN-2-OL ; CAS No. : 67-63-0  
Limit value type (country of origin) : TRGS 903 ( D )  
Parameter : Acetone / Whole blood (B) / End of exposure or end of shift  
Limit value : 25 mg/l  
Version : 01.03.2018  
Limit value type (country of origin) : TRGS 903 ( D )  
Parameter : Acetone / Urine (U) / End of exposure or end of shift  
Limit value : 25 mg/l  
Version : 01.03.2018  
XYLENE ; CAS No. : 1330-20-7  
Limit value type (country of origin) : TRGS 903 ( D )  
Parameter : Methylhippuric acid / Urine (U) / End of exposure or end of shift  
Limit value : 2000 mg/l  
Version : 01.03.2018  
ETHYLBENZENE ; CAS No. : 100-41-4  
Limit value type (country of origin) : TRGS 903 ( D )  
Parameter : Mandelic acid + Phenylglyoxy acid / Urine (U) / End of exposure or end of shift  
Limit value : 250 mg/g Kr  
Version : 01.03.2018

### DNEL/DMEL and PNEC values

#### DNEL/DMEL

Limit value type : DNEL worker (systemic) ( hydrocarbons,C9-C11, n-alkanes, isoalkanes,cyclic, < 2 % aromates ; CAS No. : 64742-48-9 )  
Exposure route : Dermal  
Exposure frequency : Long-term  
Limit value : 208 mg/kg  
Safety factor : Day(s)  
Limit value type : DNEL worker (systemic) ( hydrocarbons,C9-C11, n-alkanes, isoalkanes,cyclic, < 2 % aromates ; CAS No. : 64742-48-9 )  
Exposure route : Inhalation  
Exposure frequency : Long-term  
Limit value : 871 mg/m<sup>3</sup>  
Safety factor : 8 h  
Limit value type : DNEL worker (systemic) ( NAPHTHA (PETROLEUM), HYDROTREATED LIGHT ; CAS No. : 64742-49-0 )  
Exposure route : Dermal  
Exposure frequency : Long-term  
Limit value : 773 mg/kg  
Safety factor : 24 h  
Limit value type : DNEL worker (systemic) ( NAPHTHA (PETROLEUM), HYDROTREATED LIGHT ; CAS No. : 64742-49-0 )  
Exposure route : Inhalation  
Exposure frequency : Long-term  
Limit value : 2035 mg/m<sup>3</sup>  
Limit value type : DNEL worker (local) ( TOLUENE ; CAS No. : 108-88-3 )  
Exposure route : Inhalation  
Exposure frequency : Short-term (acute)  
Limit value : 384 mg/m<sup>3</sup>

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Limit value type : DNEL worker (local) ( TOLUENE ; CAS No. : 108-88-3 )  
Exposure route : Inhalation  
Exposure frequency : Long-term  
Limit value : 192 mg/m<sup>3</sup>  
Limit value type : DNEL worker (systemic) ( TOLUENE ; CAS No. : 108-88-3 )  
Exposure route : Dermal  
Exposure frequency : Long-term  
Limit value : 384 mg/kg  
Limit value type : DNEL worker (systemic) ( TOLUENE ; CAS No. : 108-88-3 )  
Exposure route : Inhalation  
Exposure frequency : Short-term (acute)  
Limit value : 384 mg/m<sup>3</sup>  
Limit value type : DNEL worker (systemic) ( TOLUENE ; CAS No. : 108-88-3 )  
Exposure route : Inhalation  
Exposure frequency : Long-term  
Limit value : 192 mg/m<sup>3</sup>  
Limit value type : DNEL worker (systemic) ( PROPAN-2-OL ; CAS No. : 67-63-0 )  
Exposure route : Dermal  
Limit value : 888 mg/kg  
Limit value type : DNEL worker (systemic) ( PROPAN-2-OL ; CAS No. : 67-63-0 )  
Exposure route : Inhalation  
Limit value : 500 mg/m<sup>3</sup>  
Limit value type : DNEL worker (local) ( XYLENE ; CAS No. : 1330-20-7 )  
Exposure route : Inhalation  
Exposure frequency : Short-term (acute)  
Limit value : 289 mg/m<sup>3</sup>  
Limit value type : DNEL worker (systemic) ( XYLENE ; CAS No. : 1330-20-7 )  
Exposure route : Inhalation  
Exposure frequency : Short-term (acute)  
Limit value : 289 mg/m<sup>3</sup>  
Limit value type : DNEL worker (systemic) ( XYLENE ; CAS No. : 1330-20-7 )  
Exposure route : Inhalation  
Exposure frequency : Long-term  
Limit value : 77 mg/m<sup>3</sup>  
Limit value type : DNEL worker (systemic) ( XYLENE ; CAS No. : 1330-20-7 )  
Exposure route : Dermal  
Exposure frequency : Long-term  
Limit value : 180 mg/kg  
Limit value type : DNEL worker (systemic) ( ETHYLBENZENE ; CAS No. : 100-41-4 )  
Exposure route : Inhalation  
Exposure frequency : Long-term  
Limit value : 77 mg/m<sup>3</sup>

### PNEC

Limit value type : PNEC (Aquatic, freshwater) ( TOLUENE ; CAS No. : 108-88-3 )  
Limit value : 0,68 mg/l  
Limit value type : PNEC (Aquatic, marine water) ( TOLUENE ; CAS No. : 108-88-3 )  
Limit value : 0,68 mg/l  
Limit value type : PNEC (Sediment, freshwater) ( TOLUENE ; CAS No. : 108-88-3 )  
Limit value : 16,39 mg/kg  
Limit value type : PNEC (Sediment, marine water) ( TOLUENE ; CAS No. : 108-88-3 )  
Limit value : 16,39 mg/kg  
Limit value type : PNEC (Sewage treatment plant) ( TOLUENE ; CAS No. : 108-88-3 )  
Limit value : 13,61 mg/l  
Limit value type : PNEC (Aquatic, freshwater) ( PROPAN-2-OL ; CAS No. : 67-63-0 )  
Limit value : 140,9 mg/l

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Limit value type :	PNEC (Aquatic, marine water) ( PROPAN-2-OL ; CAS No. : 67-63-0 )
Limit value :	140,9 mg/l
Limit value type :	PNEC (Sediment, freshwater) ( PROPAN-2-OL ; CAS No. : 67-63-0 )
Limit value :	552 mg/kg
Limit value type :	PNEC (Sediment, marine water) ( PROPAN-2-OL ; CAS No. : 67-63-0 )
Limit value :	552 mg/kg
Limit value type :	PNEC (Aquatic, freshwater) ( XYLENE ; CAS No. : 1330-20-7 )
Limit value :	0,327 mg/l
Limit value type :	PNEC (Aquatic, marine water) ( XYLENE ; CAS No. : 1330-20-7 )
Limit value :	0,327 mg/l
Limit value type :	PNEC (Sediment, freshwater) ( XYLENE ; CAS No. : 1330-20-7 )
Limit value :	12,46 mg/kg
Limit value type :	PNEC (Sediment, marine water) ( XYLENE ; CAS No. : 1330-20-7 )
Limit value :	12,46 mg/kg
Limit value type :	PNEC (Sewage treatment plant) ( XYLENE ; CAS No. : 1330-20-7 )
Limit value :	6,58 mg/l

### 8.2 Exposure controls



#### Personal protection equipment

##### Eye/face protection

Eye glasses with side protection

##### Skin protection

###### Hand protection

**Suitable material :** FKM (fluoro rubber) NBR (Nitrile rubber)

Thickness of the glove material : 0.7 mm

Breakthrough time (maximum wearing time) : 480 min

Recommended glove articles EN ISO 374

**Remark :** Check leak tightness/impermeability prior to use. In the case of wanting to use the gloves again, clean them before taking off and air them well. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

###### Body protection

lab coat Overall

**Suitable protective clothing :** For the protection against direct skin contact, body protective clothing is essential (in addition to the usual working clothes). Chemical resistant safety shoes Only wear fitting, comfortable and clean protective clothing.

**Required properties :** antistatic. flame-resistant heat-resistant

**Recommended material :** Natural fibres (e.g. cotton) heat-resistant synthetic fibres

##### Respiratory protection

Appropriate engineering controls

If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn.

Respiratory protection necessary at: exceeding exposure limit values aerosol or mist formation. spray application

###### Suitable respiratory protection apparatus

Filtering device (full mask or mouthpiece) with filter: Type : A

##### General health and safety measures

Wash hands before breaks and after work. Apply skin care products after work.

## SECTION 9: Physical and chemical properties



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### 9.1 Information on basic physical and chemical properties

**Physical state :** Liquid

**Odour :** characteristic

#### Appearance

**Colour :** colourless

#### Odour threshold

No data available

#### Safety relevant basis data

**Melting point/melting range :** No data available

**Initial boiling point and boiling range :** ( 1013 hPa ) 82 - 162 °C

**Decomposition temperature :** No data available

**Flash point :** -2 °C DIN 51755 part 1

**Ignition temperature :** 245 °C DIN 51794

**Lower explosion limit :** 0,6 Vol-%

**Upper explosion limit :** 8 Vol-%

**Vapour pressure :** ( 20 °C ) 27 hPa

**Density :** ( 20 °C ) 0,766 g/cm<sup>3</sup> DIN 51757

**Water solubility :** ( 20 °C ) partially miscible

**pH-value:** ( 20 °C ) not applicable

**log P O/W :** No data available

**Cinematic viscosity :** ( 40 °C ) No data available

**Relative vapour density :** ( 20 °C ) No data available

**Vapourisation rate :** No data available

**Maximum VOC content (EC) :** 100 Wt % 1999/13/EC

**VOC-value :** 766 g/l 2004/42/EC

**Oxidising liquids :** No data available.

**Explosive properties :** Not determined.

### 9.2 Other information

None

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No information available.

### 10.2 Chemical stability

The product is stable under storage at normal ambient temperatures.

### 10.3 Possibility of hazardous reactions

No information available.

### 10.4 Conditions to avoid

No information available.

### 10.5 Incompatible materials

Exothermic reaction with:  
Alkali (lye). Acid. Oxidising agent, strong.

### 10.6 Hazardous decomposition products

Gases/vapours, combustible

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

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### Acute effects

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

#### Acute oral toxicity

Parameter : ATEmix calculated  
Exposure route : Oral  
Effective dose : not relevant  
Parameter : LD50 ( hydrocarbons,C9-C11, n-alkanes, isoalkanes,cyclic, < 2 % aromates ; CAS No. : 64742-48-9 )  
Exposure route : Oral  
Species : Rat  
Effective dose : > 5000 mg/kg  
Method : OECD 401  
Parameter : LD50 ( NAPHTHA (PETROLEUM), HYDROTREATED LIGHT ; CAS No. : 64742-49-0 )  
Exposure route : Oral  
Species : Rat  
Effective dose : > 5000 mg/m<sup>3</sup>  
Parameter : LD50 ( TOLUENE ; CAS No. : 108-88-3 )  
Exposure route : Oral  
Species : Rat  
Effective dose : > 5000 mg/kg  
Parameter : LD50 ( PROPAN-2-OL ; CAS No. : 67-63-0 )  
Exposure route : Oral  
Species : Rat  
Effective dose : 5840 mg/kg  
Parameter : LD50 ( XYLENE ; CAS No. : 1330-20-7 )  
Exposure route : Oral  
Species : Rat  
Effective dose : 4300 mg/kg  
Parameter : LD50 ( ETHYLBENZENE ; CAS No. : 100-41-4 )  
Exposure route : Oral  
Species : Rat  
Effective dose : 3500 mg/kg

#### Acute dermal toxicity

Parameter : ATEmix calculated  
Exposure route : Dermal  
Effective dose : 31816 mg/kg  
Parameter : LD50 ( hydrocarbons,C9-C11, n-alkanes, isoalkanes,cyclic, < 2 % aromates ; CAS No. : 64742-48-9 )  
Exposure route : Dermal  
Species : Rabbit  
Effective dose : > 5000 mg/kg  
Method : OECD 402  
Parameter : LD50 ( NAPHTHA (PETROLEUM), HYDROTREATED LIGHT ; CAS No. : 64742-49-0 )  
Exposure route : Dermal  
Species : Rabbit  
Effective dose : > 2800 mg/kg  
Exposure time : 24 h  
Parameter : LD50 ( TOLUENE ; CAS No. : 108-88-3 )  
Exposure route : Dermal  
Species : Rabbit  
Effective dose : > 5000 mg/kg  
Parameter : LD50 ( PROPAN-2-OL ; CAS No. : 67-63-0 )  
Exposure route : Dermal  
Species : Rabbit  
Effective dose : > 2000 mg/kg

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Parameter : LD50 ( XYLENE ; CAS No. : 1330-20-7 )

Exposure route : Dermal

Species : Rabbit

Effective dose : 2000 mg/kg

Parameter : LD50 ( ETHYLBENZENE ; CAS No. : 100-41-4 )

Exposure route : Dermal

Species : Rabbit

Effective dose : 12126 mg/kg

Parameter : ATE ( XYLENE ; CAS No. : 1330-20-7 )

Exposure route : Dermal

Effective dose : 1100 mg/kg

### Acute inhalation toxicity

Parameter : ATEmix calculated

Exposure route : Inhalation (vapour)

Effective dose : 238,6 mg/l

Parameter : LD50 ( hydrocarbons,C9-C11, n-alkanes, isoalkanes,cyclic, < 2 % aromates ; CAS No. : 64742-48-9 )

Exposure route : Inhalation

Species : Rat

Effective dose : > 5000 mg/l

Exposure time : 4 h

Method : OECD 403

Parameter : LC50 ( NAPHTHA (PETROLEUM), HYDROTREATED LIGHT ; CAS No. : 64742-49-0 )

Exposure route : Inhalation

Species : Rat

Effective dose : > 23,3 mg/l

Exposure time : 4 h

Parameter : LC50 ( TOLUENE ; CAS No. : 108-88-3 )

Exposure route : Inhalation

Species : Rat

Effective dose : > 20 mg/l

Exposure time : 4 h

Parameter : LC50 ( PROPAN-2-OL ; CAS No. : 67-63-0 )

Exposure route : Inhalation (vapour)

Species : Rat

Effective dose : > 20 mg/l

Exposure time : 8 h

Parameter : LC50 ( XYLENE ; CAS No. : 1330-20-7 )

Exposure route : Inhalation

Species : Rat

Effective dose : 8000 mg/l

Exposure time : 4 h

Parameter : LC50 ( ETHYLBENZENE ; CAS No. : 100-41-4 )

Exposure route : Inhalation

Species : Rat

Effective dose : 27571 mg/m<sup>3</sup>

Exposure time : 4 h

### Irritant and corrosive effects

#### Primary irritation to the skin

Causes skin irritation.

#### Irritation to eyes

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

#### Sensitisation

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

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### CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

#### Carcinogenicity

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

#### Germ cell mutagenicity

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

#### Reproductive toxicity

Suspected of damaging the unborn child.

#### STOT-single exposure

May cause drowsiness or dizziness.

#### STOT-repeated exposure

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

#### Aspiration hazard

May be fatal if swallowed and enters airways.

## SECTION 12: Ecological information

### 12.1 Toxicity

#### Aquatic toxicity

Toxic to aquatic life with long lasting effects.

#### Acute (short-term) fish toxicity

Parameter :	LC50 ( hydrocarbons,C9-C11, n-alkanes, isoalkanes,cyclic, < 2 % aromates ; CAS No. : 64742-48-9 )
Species :	Oncorhynchus mykiss (Rainbow trout)
Evaluation parameter :	Acute (short-term) fish toxicity
Effective dose :	> 1000 mg/l
Exposure time :	96 h
Parameter :	LC50 ( NAPHTHA (PETROLEUM), HYDROTREATED LIGHT ; CAS No. : 64742-49-0 )
Species :	Oncorhynchus mykiss (Rainbow trout)
Evaluation parameter :	Acute (short-term) fish toxicity
Effective dose :	> 13,4 mg/l
Exposure time :	96 h
Parameter :	LL50 ( NAPHTHA (PETROLEUM), HYDROTREATED LIGHT ; CAS No. : 64742-49-0 )
Species :	Oncorhynchus aguabonita
Evaluation parameter :	Acute (short-term) fish toxicity
Effective dose :	> 3 mg/l
Exposure time :	72 h
Parameter :	LC50 ( TOLUENE ; CAS No. : 108-88-3 )
Species :	Pimephales promelas (fathead minnow)
Evaluation parameter :	Acute (short-term) fish toxicity
Effective dose :	66 mg/l
Exposure time :	96 h
Parameter :	LC50 ( PROPAN-2-OL ; CAS No. : 67-63-0 )
Species :	Pimephales promelas (fathead minnow)
Evaluation parameter :	Acute (short-term) fish toxicity
Effective dose :	9640 mg/l
Exposure time :	96 h
Parameter :	LC50 ( XYLENE ; CAS No. : 1330-20-7 )
Species :	Oncorhynchus mykiss (Rainbow trout)
Evaluation parameter :	Acute (short-term) fish toxicity
Effective dose :	2,6 mg/l
Exposure time :	96 h
Parameter :	LC50 ( ETHYLBENZENE ; CAS No. : 100-41-4 )
Evaluation parameter :	Acute (short-term) fish toxicity

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Effective dose : 6,4 mg/l

Exposure time : 48 h

### Chronic (long-term) fish toxicity

Parameter : NOEC ( TOLUENE ; CAS No. : 108-88-3 )

Species : Oncorhynchus kisutch

Evaluation parameter : Acute (short-term) fish toxicity

Effective dose : 1,39 mg/l

Exposure time : 40 Day(s)

Parameter : Chronic (long-term) fish toxicity ( XYLENE ; CAS No. : 1330-20-7 )

Species : Oncorhynchus mykiss (Rainbow trout)

Evaluation parameter : Chronic (long-term) fish toxicity

Effective dose : > 1,3 mg/l

Exposure time : 56 Day(s)

### Acute (short-term) daphnia toxicity

Parameter : EC50 ( hydrocarbons,C9-C11, n-alkanes, isoalkanes,cyclic, < 2 % aromates ; CAS No. : 64742-48-9 )

Species : Daphnia magna (Big water flea)

Evaluation parameter : Acute (short-term) daphnia toxicity

Effective dose : > 1000 mg/l

Exposure time : 48 h

Method : OECD 202

Parameter : EC50 ( NAPHTHA (PETROLEUM), HYDROTREATED LIGHT ; CAS No. : 64742-49-0 )

Species : Daphnia magna (Big water flea)

Evaluation parameter : Acute (short-term) daphnia toxicity

Effective dose : > 3 mg/l

Exposure time : 48 h

Parameter : EC50 ( TOLUENE ; CAS No. : 108-88-3 )

Species : Daphnia magna (Big water flea)

Evaluation parameter : Acute (short-term) daphnia toxicity

Effective dose : 270 mg/l

Exposure time : 24 h

Parameter : LC50 ( TOLUENE ; CAS No. : 108-88-3 )

Species : Ceriodaphnia dubia

Evaluation parameter : Acute (short-term) daphnia toxicity

Effective dose : 3,78 mg/l

Exposure time : 48 h

Parameter : EC50 ( PROPAN-2-OL ; CAS No. : 67-63-0 )

Species : Daphnia magna (Big water flea)

Evaluation parameter : Acute (short-term) daphnia toxicity

Effective dose : 9714 mg/l

Exposure time : 24 h

Parameter : EC50 ( ETHYLBENZENE ; CAS No. : 100-41-4 )

Evaluation parameter : Acute (short-term) daphnia toxicity

Effective dose : 2,4 mg/l

Exposure time : 48 h

### Chronic (long-term) daphnia toxicity

Parameter : NOEC ( TOLUENE ; CAS No. : 108-88-3 )

Species : Ceriodaphnia dubia

Evaluation parameter : Chronic (long-term) daphnia toxicity

Effective dose : 0,74 mg/l

Exposure time : 7 Day(s)

Parameter : NOEC ( XYLENE ; CAS No. : 1330-20-7 )

Species : Daphnia pulex (water flea)

Evaluation parameter : Chronic (long-term) daphnia toxicity

Effective dose : 1,17 mg/l

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Exposure time : 7 Day(s)  
Parameter : NOEC ( ETHYLBENZENE ; CAS No. : 100-41-4 )  
Species : Daphnia pulex (water flea)  
Evaluation parameter : Chronic (long-term) daphnia toxicity  
Effective dose : 0,96 mg/l  
Exposure time : 7 Day(s)

### Acute (short-term) algae toxicity

Parameter : NOELR ( NAPHTHA (PETROLEUM), HYDROTREATED LIGHT ; CAS No. : 64742-49-0 )  
Species : Pseudokirchneriella subcapitata  
Evaluation parameter : Acute (short-term) algae toxicity  
Effective dose : > 10 mg/l  
Exposure time : 72 h

Parameter : EC50 ( TOLUENE ; CAS No. : 108-88-3 )  
Species : Scenedesmus subspicatus  
Evaluation parameter : Acute (short-term) algae toxicity  
Effective dose : 125 - 160 mg/l  
Exposure time : 48 h

Parameter : EC50 ( TOLUENE ; CAS No. : 108-88-3 )  
Species : Chlamydomonas angulosa  
Evaluation parameter : Acute (short-term) algae toxicity  
Effective dose : 134 mg/l  
Exposure time : 3 h

Parameter : EC50 ( PROPAN-2-OL ; CAS No. : 67-63-0 )  
Species : Scenedesmus subspicatus  
Evaluation parameter : Acute (short-term) algae toxicity  
Effective dose : > 100 mg/l  
Exposure time : 72 h

Parameter : EC50 ( XYLENE ; CAS No. : 1330-20-7 )  
Species : Pseudokirchneriella subcapitata  
Evaluation parameter : Acute (short-term) algae toxicity  
Effective dose : 2,2 mg/l  
Exposure time : 72 h

### Bacteria toxicity

Parameter : EC50 ( TOLUENE ; CAS No. : 108-88-3 )  
Species : Nitrosomonas  
Evaluation parameter : Bacteria toxicity  
Effective dose : 84 mg/l  
Exposure time : 24 h

## 12.2 Persistence and degradability

### Biodegradation

Parameter : Biodegradation ( PROPAN-2-OL ; CAS No. : 67-63-0 )  
Evaluation : Readily biodegradable (according to OECD criteria).

## 12.3 Bioaccumulative potential

No information available.

## 12.4 Mobility in soil

No information available.

## 12.5 Results of PBT and vPvB assessment

This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

## 12.6 Other adverse effects

No information available.

## 12.7 Additional ecotoxicological information

None

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### SECTION 13: Disposal considerations

#### 13.1 Waste treatment methods

Dispose according to legislation. The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process. Contaminated packages must be completely emptied and can be re-used following proper cleaning. Packing which cannot be properly cleaned must be disposed of.

### SECTION 14: Transport information

#### 14.1 UN number

UN 1263

#### 14.2 UN proper shipping name

**Land transport (ADR/RID)**

PAINT RELATED MATERIAL

**Sea transport (IMDG)**

PAINT RELATED MATERIAL ( NAPHTHA (PETROLEUM), HYDROTREATED LIGHT )

**Air transport (ICAO-TI / IATA-DGR)**

PAINT RELATED MATERIAL

#### 14.3 Transport hazard class(es)

**Land transport (ADR/RID)**

**Class(es) :** 3  
**Classification code :** F1  
**Hazard identification number (Kemler No.) :** 33  
**Tunnel restriction code :** D/E  
**Special provisions :** 640D · LQ 5 I · E 2  
**Hazard label(s) :** 3 / N

**Sea transport (IMDG)**

**Class(es) :** 3  
**EmS-No. :** F-E / ~~S-E~~  
**Special provisions :** LQ 5 I · E 2  
**Hazard label(s) :** 3 / N

**Air transport (ICAO-TI / IATA-DGR)**

**Class(es) :** 3  
**Special provisions :** E 2  
**Hazard label(s) :** 3

#### 14.4 Packing group

II

#### 14.5 Environmental hazards

**Land transport (ADR/RID) :** Yes

**Sea transport (IMDG) :** Yes (P)

**Air transport (ICAO-TI / IATA-DGR) :** Yes

#### 14.6 Special precautions for user

None

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

not applicable

### SECTION 15: Regulatory information

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

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### mixture

#### EU legislation

##### Authorisations and/or restrictions on use

##### Restrictions on use according to Regulation (EC) No. 1907/2006 (REACH)

Use restriction according to REACH annex XVII, no. : 3, 30, 40, 48

#### National regulations

##### Restrictions of occupation

Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers. Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC).

##### Technische Anleitung Luft (TA-Luft)

Weight fraction (Number 5.2.5. I) : 5 - 10 %

##### Water hazard class (WGK)

Class : 2 (Significant hazardous to water) Classification according to AwSV

### 15.2 Chemical safety assessment

For this substance a chemical safety assessment has not been carried out.

## SECTION 16: Other information

### 16.1 Indication of changes

07. Hints on joint storage - Storage class · 08. Occupational exposure limit values · 14. UN proper shipping name - Land transport (ADR/RID) · 14. UN proper shipping name - Sea transport (IMDG) · 14. UN proper shipping name - Air transport (ICAO-TI / IATA-DGR) · 14. Transport hazard class(es) - Land transport (ADR/RID) · 14. Transport hazard class(es) - Sea transport (IMDG) · 14. Transport hazard class(es) - Air transport (ICAO-TI / IATA-DGR) · 15. Restrictions on use

### 16.2 Abbreviations and acronyms

ADR = Accord européen relatif au transport international des marchandises Dangereuses par Route  
AGW = Arbeitsplatzgrenzwert  
ATE = Acute Toxicity Estimates  
AwSV = Verordnung über Anlagen zum Umgang mit wassergefährdenden Stoffen  
DMEL = Derived Minimal Effect Levels  
DNEL = Derived No Effect Level  
H (8.2) = hautresorptiv (= absorbable through skin contact)  
IATA = International Air Transport Association  
IMDG = International Maritime Code for Dangerous Goods  
LC = Letalkonzentration  
LD50 = Lethal Dose, 50%  
MAK = Maximale Arbeitsplatzkonzentration  
MARPOL = International Convention for the Prevention of Marine Pollution from Ships  
PBT = Persistent, bioaccumulative and toxic  
PNEC = Predicted No Effect Concentration  
RID = Règlement concernant le transport international ferroviaire des marchandises dangereuses  
RCP = reciprocal calculation procedure  
SVHC = Substances of Very high Concern  
STEL = Short-Time-Exposure Limit  
TWA = Time Weighted Average  
VOC = volatile organic compounds  
vPvB = very persistent and very bioaccumulative  
VwVwS = Verwaltungsvorschrift wassergefährdender Stoffe  
WGK = Wassergefährdungskategorie gem. Verwaltungsvorschrift wassergefährdender Stoffe-VwVwS  
Y (8.2) = Ein Risiko der Fruchtschädigung braucht bei Einhaltung des Arbeitsplatzgrenzwertes und des biologischen Grenzwertes (BGW) nicht befürchtet werden

### 16.3 Key literature references and sources for data

None

### 16.4 Classification for mixtures and used evaluation method according to regulation (EC)



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### No 1272/2008 [CLP]

Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

#### 16.5 Relevant H- and EUH-phrases (Number and full text)

H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H361d	Suspected of damaging the unborn child.
H373	May cause damage to organs through prolonged or repeated exposure.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

#### 16.6 Training advice

None

#### 16.7 Additional information

None

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The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

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