

# Veiligheidsblad

## ISO-Top spray primer

Bestelnr. 631101 en 631102

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

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

#### 1.1. Product identifier

Trade name/designation:

ISO-TOP SPRAY PRIMER

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

Use of the substance/mixture:

Building and construction work

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

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

ISO- CHEMIE GmbH

Röntgenstraße 12

73431 Aalen

Germany

Telephone: +49 (0)7361 9490-0

Telefax: +49 (0)7361 9490-90

E-mail: info@iso-chemie.de

Website: www.iso-chemie.de

#### 1.4. Emergency telephone number

24h: +49 (0)761 19240

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

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

Hazard classes and hazard categories	Hazard statements	Classification procedure
Aerosols ( <i>Aerosol 1</i> )	H222; H229: Extremely flammable aerosol.; Pressurised container: May burst if heated.	
Aspiration hazard ( <i>Asp. Tox. 1</i> )	H304: May be fatal if swallowed and enters airways.	
Skin corrosion/irritation ( <i>Skin Irrit. 2</i> )	H315: Causes skin irritation.	
Serious eye damage/eye irritation ( <i>Eye Irrit. 2</i> )	H319: Causes serious eye irritation.	
STOT-single exposure ( <i>STOT SE 3</i> )	H336: May cause drowsiness or dizziness.	
Hazardous to the aquatic environment ( <i>Aquatic Chronic 3</i> )	H412: Harmful to aquatic life with long lasting effects.	

#### 2.2. Label elements

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

Hazard pictograms:



GHS07

Exclamation mark



GHS02

Flame

Signal word: Danger

#### Hazard statements for physical hazards

H222	Extremely flammable aerosol.
H229	Pressurised container: May burst if heated.

#### hazard statements for health hazards

H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.

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**Hazard statements for environmental hazards**

H412 Harmful to aquatic life with long lasting effects.

**Supplemental hazard information**

EUH066 Repeated exposure may cause skin dryness or cracking.

**Precautionary statements**

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

**Precautionary statements Prevention**

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P211 Do not spray on an open flame or other ignition source.

P251 Do not pierce or burn, even after use.

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P271 Use only outdoors or in a well-ventilated area.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

**Precautionary statements Response**

P302 + P352 IF ON SKIN: Wash with plenty of water/Soap.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**Precautionary statements Storage**

P405 Store locked up.

P410 + P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

**Precautionary statements Disposal**

P501 Dispose of contents/container to Delivery to an approved waste disposal company..

**2.3. Other hazards**


**Adverse physicochemical effects:**

In use may form flammable/explosive vapour-air mixture.

**SECTION 3: Composition / information on ingredients**

**3.2. Mixtures**

**Hazardous ingredients / Hazardous impurities / Stabilisers:**

product identifiers	Substance name Classification according to Regulation (EC) No 1272/2008 [CLP]	Concentration
CAS No.: 67-64-1 EC No.: 200-662-2 REACH No.: 01-2119477330-49	<b>acetone</b> Eye Irrit. 2, Flam. Liq. 2, STOT SE 3  <b>Danger</b> H225-H319-H336-EUH066	20 - < 25 Vol-%
EC No.: 931-254-9 REACH No.: 01-2119484651-34	<b>Hydrocarbons,C6,isoalkanes &lt;5%,n-hexane</b> Aquatic Chronic 2, Asp. Tox. 1, Flam. Liq. 2, STOT SE 3, Skin Irrit. 2 H225-H304-H315-H336-H411-EUH066	5 - < 10 Vol-%

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

**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).

**Following inhalation:**

Provide fresh air.If experiencing respiratory symptoms: Call a doctor.

**In case of skin contact:**

Wash with plenty of soap and water.If skin irritation or rash occurs: Get medical advice/attention.

**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.

**Following ingestion:**

Do NOT induce vomiting.Rinse mouth. If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention. Aspiration hazard

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

Vapours may cause drowsiness and dizziness.

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

Treat symptomatically.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

##### Suitable extinguishing media:

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

##### Unsuitable extinguishing media:

Full water jet

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

Vapours can form explosive mixtures with air. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Closed containers may burst when pressure and temperature rise Use water spray jet to protect personnel and to cool endangered containers.

##### Hazardous combustion products:

Carbon monoxide Carbon dioxide (CO<sub>2</sub>)

#### 5.3. Advice 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.

### SECTION 6: Accidental release measures

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

##### 6.1.1. For non-emergency personnel

##### Personal precautions:

Remove persons to safety. Vapours can form explosive mixtures with air. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Take precautionary measures against static discharges. Do not get in eyes, on skin, or on clothing.

##### Protective equipment:

Wear protective gloves/protective clothing/eye protection/face protection.

##### 6.1.2. For emergency responders

##### Personal protection equipment:

Personal protection equipment: see section 8

#### 6.2. Environmental precautions

Do not allow to enter into surface water or drains.

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

##### For containment:

Use an incombustible material such as vermiculite, sand or earth to absorb the product and later on fill disposal into a container.

##### For cleaning up:

Take up mechanically, placing in appropriate containers for disposal.

#### 6.4. Reference to other sections

Safe handling: see section 7 Personal protection equipment: see section 8 Disposal: see section 13

#### 6.5. Additional information

Use appropriate container to avoid environmental contamination.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

##### Protective measures

##### Advices on safe handling:

Wear personal protection equipment (refer to section 8). Provide adequate ventilation as well as local exhaust at critical locations. Caution! Container under pressure. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Take precautionary measures against static discharges.

##### Advices on general occupational hygiene

When using do not eat, drink, smoke, sniff. Wash hands before breaks and after work. Take off contaminated clothing and wash it before reuse.

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

##### Technical measures and storage conditions:

Keep container tightly closed in a cool, well-ventilated place. Protect from sunlight. Store in a well-ventilated place. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

**Storage class:** 2B - Aerosol dispensers and lighters

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### 7.3. Specific end use(s)

**Recommendation:**

Aerosol Adhesives Barrier (Sealant)

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### 8.1.1. Occupational exposure limit values

Limit value type (country of origin)	Substance name	① Long-term occupational exposure limit value ② short-term occupational exposure limit value ③ Instantaneous value ④ Monitoring and observation processes ⑤ Remark
MAK (AT)	acetone CAS No.: 67-64-1	② 2,000 ppm (4,800 mg/m <sup>3</sup> ) ⑤ (max. 4x15 min./Schicht)
BE	acetone CAS No.: 67-64-1	① 500 ppm (1,210 mg/m <sup>3</sup> ) ② 1,000 ppm (2,420 mg/m <sup>3</sup> )
CZ	acetone CAS No.: 67-64-1	① 331.2 ppm (800 mg/m <sup>3</sup> ) ② 621 ppm (1,500 mg/m <sup>3</sup> )
PL	acetone CAS No.: 67-64-1	① 600 mg/m <sup>3</sup> ② 1,800 mg/m <sup>3</sup>
NO	acetone CAS No.: 67-64-1	① 125 ppm (295 mg/m <sup>3</sup> )
IE	acetone CAS No.: 67-64-1	① 500 ppm (1,210 mg/m <sup>3</sup> )
HTP (FI)	acetone CAS No.: 67-64-1	① 500 ppm (1,200 mg/m <sup>3</sup> ) ② 630 ppm (1,500 mg/m <sup>3</sup> )
SE	acetone CAS No.: 67-64-1	① 250 ppm (600 mg/m <sup>3</sup> ) ③ 500 ppm (1,200 mg/m <sup>3</sup> )
NPEL (SK)	acetone CAS No.: 67-64-1	① 500 ppm (1,210 mg/m <sup>3</sup> )
DK	acetone CAS No.: 67-64-1	① 250 ppm (600 mg/m <sup>3</sup> ) ② 500 ppm (1,200 mg/m <sup>3</sup> )
HR	acetone CAS No.: 67-64-1	① 500 ppm (1,210 mg/m <sup>3</sup> )
ES	acetone CAS No.: 67-64-1	① 500 ppm (1,210 mg/m <sup>3</sup> ) ② 750 ppm (1,810 mg/m <sup>3</sup> )
IOELV (EU)	acetone CAS No.: 67-64-1	① 500 ppm (1,210 mg/m <sup>3</sup> )
MAK (AT)	acetone CAS No.: 67-64-1	① 500 ppm (1,200 mg/m <sup>3</sup> )
VRC (FR)	acetone CAS No.: 67-64-1	① 500 ppm (1,210 mg/m <sup>3</sup> ) ② 1,000 ppm (2,420 mg/m <sup>3</sup> )
SI	acetone CAS No.: 67-64-1	① 500 ppm (1,210 mg/m <sup>3</sup> ) ② 1,000 ppm (2,420 mg/m <sup>3</sup> )
NL	acetone CAS No.: 67-64-1	① 1,210 mg/m <sup>3</sup> ② 2,420 mg/m <sup>3</sup>
ACGIH (US)	acetone CAS No.: 67-64-1	① 250 ppm ② 500 ppm
TRGS 900 (DE)	acetone CAS No.: 67-64-1	① 500 ppm (1,200 mg/m <sup>3</sup> ) ② 1,000 ppm (2,400 mg/m <sup>3</sup> )

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### 8.1.2. Biological limit values

Limit value type (country of origin)	Substance name	Limit value	① parameter ② Test material ③ Time of sampling ④ Remark
TRGS 903 (DE)	acetone CAS No.: 67-64-1	80 mg/L	① Aceton ② Urin ③ Expositionsende bzw. Schichtende
VLB (ES)	acetone CAS No.: 67-64-1	50 mg/L	① acetona ② orina ③ fin de exposición o fin de turno
BMH (SK)	acetone CAS No.: 67-64-1	80 mg/L	① acetón ② urín ③ koniec expozície, príp. koniec zmeny
ACGIH-BEI (US)	acetone CAS No.: 67-64-1	25 mg/L	① acetone ② urine ③ end of exposure or end of shift
BIO (HR)	acetone CAS No.: 67-64-1	20 mg/L	① aceton ② krv ③ kraj izloženosti, odnosno kraj smjene
BIO (HR)	acetone CAS No.: 67-64-1	20 mg/g kre atinin	① aceton ② urin ③ kraj izloženosti, odnosno kraj smjene
BAT (SI)	acetone CAS No.: 67-64-1	80 mg/L	① aceton ② urin ③ ob koncu delovne izmene

### 8.1.3. DNEL-/PNEC-values

Substance name	DNEL value	① DNEL type ② Exposure route
acetone CAS No.: 67-64-1	1,210 mg/m <sup>3</sup>	① DNEL worker ② Long-term - inhalation, systemic effects
acetone CAS No.: 67-64-1	200 mg/m <sup>3</sup>	① DNEL Consumer ② Long-term - inhalation, systemic effects
acetone CAS No.: 67-64-1	2,420 mg/m <sup>3</sup>	① DNEL worker ② Acute - inhalation, local effects
acetone CAS No.: 67-64-1	186 mg/kg bw/day	① DNEL worker ② Long-term - dermal, systemic effects
acetone CAS No.: 67-64-1	62 mg/kg bw/day	① DNEL Consumer ② Long-term - dermal, systemic effects
acetone CAS No.: 67-64-1	62 mg/kg bw/day	① DNEL Consumer ② Long-term - oral, systemic effects
Hydrocarbons,c7,n-alkanes,isoalkanes,cyclics	2,085 mg/m <sup>3</sup>	① DNEL worker ② Long-term - inhalation, systemic effects
Hydrocarbons,c7,n-alkanes,isoalkanes,cyclics	447 mg/m <sup>3</sup>	① DNEL Consumer ② Long-term - inhalation, systemic effects
Hydrocarbons,c7,n-alkanes,isoalkanes,cyclics	300 mg/kg bw/day	① DNEL worker ② Long-term - dermal, systemic effects
Hydrocarbons,c7,n-alkanes,isoalkanes,cyclics	149 mg/kg bw/day	① DNEL Consumer ② Long-term - dermal, systemic effects
Hydrocarbons,c7,n-alkanes,isoalkanes,cyclics	149 mg/kg bw/day	① DNEL Consumer ② Long-term - oral, systemic effects

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Substance name	PNEC Value	① PNEC type
acetone CAS No.: 67-64-1	10.6 mg/l	① PNEC aquatic, freshwater
acetone CAS No.: 67-64-1	1.06 mg/l	① PNEC aquatic, marine water
acetone CAS No.: 67-64-1	100 mg/l	① PNEC sewage treatment plant
acetone CAS No.: 67-64-1	30.4 mg/kg	① PNEC sediment, freshwater
acetone CAS No.: 67-64-1	3.04 mg/kg	① PNEC sediment, marine water
acetone CAS No.: 67-64-1	21 mg/l	① PNEC aquatic, intermittent release

## 8.2. Exposure controls

### 8.2.1. Appropriate engineering controls

No data available

### 8.2.2. Personal protection equipment

#### Eye/face protection:

Eye glasses with side protection DIN EN 166

#### Skin protection:

Tested protective gloves must be worn EN ISO 374 Suitable material:Butyl caoutchouc (butyl rubber)NBR (Nitrile rubber) Breakthrough time: > 480 min In the case of wanting to use the gloves again, clean them before taking off and air them well.

#### Respiratory protection:

[In case of inadequate ventilation] wear respiratory protection. EN 140 Filter type:A EN 14387 Filter type:brown

### 8.2.3. Environmental exposure controls

Do not allow uncontrolled discharge of product into the environment.

## 8.3. Additional information

No data available

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

#### Appearance

**Physical state:** Aerosol

**Colour:** clear

**Odour:** not determined

#### Safety relevant basis data

parameter		at °C	Method	Remark
pH	No data available			
Melting point	No data available			
Freezing point	not determined			
Initial boiling point and boiling range	≈ -40 °C			
Decomposition temperature	not determined			
Flash point	= -60 °C			
Evaporation rate	not determined			
Auto-ignition temperature	not determined			
Upper/lower flammability or explosive limits	No data available			
Vapour pressure	not determined			
Vapour density	not determined			
Density	No data available			
Bulk density	not determined			
Water solubility	No data available			
Partition coefficient: n-octanol/ water	not determined			
Dynamic viscosity	not determined			
Kinematic viscosity	No data available			

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**9.2. Other information**

No data available

**SECTION 10: Stability and reactivity**

**10.1. Reactivity**

This material is considered to be non-reactive under normal use conditions.

**10.2. Chemical stability**

The product is chemically stable under recommended conditions of storage, use and temperature.

**10.3. Possibility of hazardous reactions**

The product is chemically stable under recommended conditions of storage, use and temperature.

**10.4. Conditions to avoid**

This material can be ignited by heat, sparks, flames, or other sources of ignition (e.g., static electricity, pilot lights, mechanical/electrical equipment, and electronic devices such as cell phones, computers, calculators, and pagers which have not been certified as intrinsically safe).

**10.5. Incompatible materials**

Strong acid Strong alkali Oxidising agent, strong

**10.6. Hazardous decomposition products**

This article doesn't contain hazardous substances or mixtures intended to be released under normal or reasonably foreseeable conditions of use.

**SECTION 11: Toxicological information**

**11.1. Information on toxicological effects**

CAS No.	Substance name	Toxicological information
67-64-1	acetone	<b>LD<sub>50</sub> oral:</b> =5,800 mg/kg (Ratte) <b>LC<sub>50</sub> Acute inhalation toxicity (vapour):</b> =79 mg/l 4 h (Ratte) <b>LC<sub>50</sub> Acute inhalation toxicity (gas):</b> =50,100 ppmV 8 h <b>LD<sub>50</sub> dermal:</b> =15,800 mg/kg (Ratte)
	Hydrocarbons,c7,n-alkanes,isoalkanes,cyclics	<b>LD<sub>50</sub> oral:</b> >5,840 mg/kg (Ratte) <b>LD<sub>50</sub> dermal:</b> >2,920 mg/kg (Ratte) <b>LC<sub>50</sub> Acute inhalation toxicity (vapour):</b> >23.3 mg/l (Ratte)
	Hydrocarbons,C6,isoalkanes <5%,n-hexane	<b>LD<sub>50</sub> oral:</b> >16,750 mg/kg (Ratte) <b>LD<sub>50</sub> dermal:</b> >3,350 mg/kg (Kaninchen) OECD 403 <b>LC<sub>50</sub> Acute inhalation toxicity (vapour):</b> =259,354 mg/l (Ratte) OECD 403

**Acute oral toxicity:**

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

**Acute dermal toxicity:**

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

**Acute inhalation toxicity:**

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

**Skin corrosion/irritation:**

Causes skin irritation.

**Serious eye damage/irritation:**

Causes skin and eye irritation.

**Respiratory or skin sensitisation:**

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

**Germ cell mutagenicity:**

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

**Carcinogenicity:**

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

**Reproductive toxicity:**

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



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**STOT-single exposure:**

May cause drowsiness or dizziness.

**STOT-repeated exposure:**

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

**Aspiration hazard:**

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

**Additional information:**

No data available

**SECTION 12: Ecological information**

**12.1. Toxicity**

CAS No.	Substance name	Toxicological information
67-64-1	acetone	<b>LC<sub>50</sub></b> : 5,540 mg/l 4 d (fish, Oncorhynchus mykiss) <b>LC<sub>50</sub></b> : 8,300 mg/l 4 d (fish, Lepomis macrochirus) <b>LC<sub>50</sub></b> : 12,600 mg/l 2 d (crustaceans, Daphnia magna) <b>NOEC</b> : 4,740 mg/l 2 d (Algae/water plant, Pseudo kirchneriella subcapitata) <b>EC<sub>50</sub></b> : =14,500 mg/l (Mikroorganismen) <b>EC<sub>50</sub></b> : >10,294 mg/l 2 d (crustaceans, Daphnia magna static)
	Hydrocarbons,c7,n-alkanes,isoalkanes,cyclics	<b>EC<sub>50</sub></b> : 3 mg/l 2 d (crustaceans, Daphnia magna) <b>ErC<sub>50</sub></b> : =10 - 30 mg/l 3 d (Algae/water plant, Pseudokirchneriella subcapitata) <b>LC<sub>50</sub></b> : 13.4 mg/l 4 d (fish, Oncorhynchus mykiss)
	Hydrocarbons,C6,isoalkanes <5%,n-hexane	<b>EC<sub>50</sub></b> : 31.9 mg/l 2 d (crustaceans, Daphnia magna) <b>EC<sub>50</sub></b> : 13.6 mg/l 3 d (Algae/water plant, Pseudokirchneriella subcapitata) <b>LC<sub>50</sub></b> : 18.27 mg/l 4 d (fish)

**12.2. Persistence and degradability**

CAS No.	Substance name	Biodegradation	Remark
	Hydrocarbons,c7,n-alkanes,isoalkanes,cyclics	Yes, rapidly	OECD 301F

**12.3. Bioaccumulative potential**

CAS No.	Substance name	Log K <sub>OW</sub>	Bioconcentration factor (BCF)
67-64-1	acetone	-0.24	0.69
	Hydrocarbons,C6,isoalkanes <5%,n-hexane	3.6	501

**12.4. Mobility in soil**

No data available

**12.5. Results of PBT and vPvB assessment**

CAS No.	Substance name	Results of PBT and vPvB assessment
67-64-1	acetone	The substance in the mixture does not meet the PBT/vPvB criteria according to REACH, annex XIII.
	Hydrocarbons,c7,n-alkanes,isoalkanes,cyclics	—
	Hydrocarbons,C6,isoalkanes <5%,n-hexane	—

**12.6. Other adverse effects**

No data available

**SECTION 13: Disposal considerations**

**13.1. Waste treatment methods**

Dispose of waste according to applicable legislation.

**13.1.1. Product/Packaging disposal**

Waste codes/waste designations according to EWC/AVV

**Waste code product:**

08 04 09 *	Waste adhesives and sealants containing organic solvents or other dangerous substances
16 05 05	gases in pressure containers other than those mentioned in 16 05 04

\*: Evidence for disposal must be provided.

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**Waste code packaging:**

15 01 04	metallic packaging
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**Waste treatment options**

**Appropriate disposal / Product:**

Consult the appropriate local waste disposal expert about waste disposal.





**Appropriate disposal / Package:**

Empty containers pose a potential fire and explosion hazard. Do not cut, pierce, or weld containers.

**13.2. Additional information**

No data available

**SECTION 14: Transport information**

Land transport (ADR/ RID)	Inland waterway craft (ADN)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
<b>14.1. UN-No.</b>			
UN 1950	UN 1950	UN 1950	UN 1950
<b>14.2. UN proper shipping name</b>			
AEROSOLS	AEROSOLS	AEROSOLS	AEROSOLS
<b>14.3. Transport hazard class(es)</b>			
 2.1	 2.1	 2.1	 2.1
<b>14.4. Packing group</b>			
No data available			
<b>14.5. Environmental hazards</b>			
No data available			
<b>14.6. Special precautions for user</b>			
<b>Special provisions:</b> 190,327,344,625 <b>Limited quantity (LQ):</b> 1 L <b>Excepted Quantities (EQ):</b> <b>Hazard identification number (Kemler No.):</b> <b>Classification code:</b> 5F <b>tunnel restriction code:</b> (D) <b>Remark:</b>	<b>Special provisions:</b> <b>Excepted Quantities (EQ):</b> <b>Classification code:</b> 5F <b>Remark:</b>	<b>Special provisions:</b> 63,190,277,327,344,381,959 <b>Limited quantity (LQ):</b> See SP277 <b>Excepted Quantities (EQ):</b> <b>EmS-No.:</b> F-D, S-U <b>Remark:</b>	<b>Special provisions:</b> A145,A167,A802 <b>Limited quantity (LQ):</b> 30 kg <b>Excepted Quantities (EQ):</b> <b>Remark:</b> ERG-Code:10 L

**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 mixture**

**15.1.1. EU legislation**

**Authorisations:**

Directive 98/24/EC of 7 April 1998 on the protection of the health and safety of workers from the risks related to chemical agents at work According to directive 94/33/EC, juveniles are only allowed to handle this product as long as all effects of dangerous substances are prevented. Swiss Maternity Protection Ordinance (SR 822.111.52): Pregnant women and nursing mothers are only allowed to get in contact with or be exposed to this preparation in the course of their work when it is established on the basis of a risk assessment by a specialist, that in context with the activities and the protection measures applied, exposure does no harm to mother and child.

**Other regulations (EU):**

Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances [Seveso-III-Directive], Hazard categories:

- P3a 'Flammable' aerosols Category 1 or 2, containing flammable gases Category 1 or 2 or flammable liquids is subject to the restrictions in Annex XVII of Regulation (EC) No. 1907/2006

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### 15.1.2. National regulations

#### [DE] National regulations

#### Störfallverordnung

#### for substances contained in the product:

Hazard categories:

- P3a 'Flammable' aerosols Category 1 or 2, containing flammable gases Category 1 or 2 or flammable liquids

#### Betriebssicherheitsverordnung (BetrSichV)

entzündlich

#### Water hazard class

#### WGK:

2 - deutlich wassergefährdend

### 15.2. Chemical Safety Assessment

No data available

### 15.3. Additional information

No data available

## SECTION 16: Other information

### 16.1. Indication of changes

No data available

### 16.2. Abbreviations and acronyms

No data available

### 16.3. Key literature references and sources for data

No data available

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

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

Hazard classes and hazard categories	Hazard statements	Classification procedure
Aerosols ( <i>Aerosol 1</i> )	H222; H229: Extremely flammable aerosol.; Pressurised container: May burst if heated.	
Aspiration hazard ( <i>Asp. Tox. 1</i> )	H304: May be fatal if swallowed and enters airways.	
Skin corrosion/irritation ( <i>Skin Irrit. 2</i> )	H315: Causes skin irritation.	
Serious eye damage/eye irritation ( <i>Eye Irrit. 2</i> )	H319: Causes serious eye irritation.	
STOT-single exposure ( <i>STOT SE 3</i> )	H336: May cause drowsiness or dizziness.	
Hazardous to the aquatic environment ( <i>Aquatic Chronic 3</i> )	H412: Harmful to aquatic life with long lasting effects.	

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

Hazard statements	
H225	Highly 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.
H411	Toxic to aquatic life with long lasting effects.

Supplemental hazard information	
EUH066	Repeated exposure may cause skin dryness or cracking.

### 16.6. Training advice

Regular employee training is required by law when working with hazardous substances.

### 16.7. Additional information

No data available