



# Safety Data Sheet

according to Regulation (EC) No 1907/2006

**ONTOP**

Revision date: 13.03.2018

Product code: 70150\_CLP

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**4.1. Description of first aid measures****After inhalation**

Move victim out of danger zone. Provide fresh air.  
In all cases of doubt, or when symptoms persist, seek medical advice.

**After contact with skin**

After contact with skin, wash immediately with plenty of water and soap.  
Remove contaminated clothing immediately and dispose off safely.  
In case of skin irritation, seek medical treatment.

**After contact with eyes**

Rinse immediately carefully and thoroughly with eye-bath or water.  
Remove contact lenses, if present and easy to do. Continue rinsing.

**After ingestion**

Call a physician immediately. To be accompanied by MSDS.

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

If applicable, delayed symptoms and effects can be found in section 11. , i.e. under section 4.1 for absorption methods.

The following symptoms may occur:

Eye irritation

Symptoms of poisoning may develop several hours following exposure. Victim should be under medical observation for at least 48 hours after exposure.

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

No information available.

**SECTION 5: Firefighting measures****5.1. Extinguishing media****Suitable extinguishing media**

Co-ordinate fire-fighting measures to the fire surroundings.

**Unsuitable extinguishing media**

No information available.

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

Hazardous combustion products

Oxides of carbon

Sulfur oxides.

Nitrogen oxides (NOx).

Phosphorus oxides.

Pyrolysis products, toxic.

**5.3. Advice for firefighters**

In case of fire: Wear self-contained breathing apparatus.

If necessary Full protective suit.

**Additional information**

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

Dispose of waste according to applicable legislation.

**SECTION 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures**

Avoid contact with eyes.

If necessary Caution, slippery

**6.2. Environmental precautions**

Prevent spread over a wide area (e.g. by containment or oil barriers).

Stop leak if safe to do so.

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

Do not allow to enter into surface water or drains.

### **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).

Treat the recovered material as prescribed in the section on waste disposal.

Can be diluted with water

Flush residue with plenty of water.

### **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**

### **7.1. Precautions for safe handling**

#### **Advice on safe handling**

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

#### **Further information on handling**

When using do not eat, drink or smoke.

Wash hands before breaks and after work.

General hygiene measures for the handling of chemicals are applicable.

Observe instructions for use.

Notice the directions for use on the label.

Keep away from food, drink and animal feedingstuffs.

Contaminated work clothing should not be allowed out of the workplace.

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

#### **Requirements for storage rooms and vessels**

Not to be stored in gangways or stair wells.

Store product closed and only in original packing.

storage temperature: > 0°C

Protect against: frost.

### **7.3. Specific end use(s)**

No information available.

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

### **8.1. Control parameters**

### **8.2. Exposure controls**

#### **Appropriate engineering controls**

Provide adequate ventilation.

This can be achieved by local exhaust ventilation or general ventilation.

When exceeding the occupational exposure limit (OEL): Use appropriate respiratory protection.

Applies only if maximum permissible exposure values are listed here.

#### **Protective and hygiene measures**

General hygiene measures for the handling of chemicals are applicable.

Wash hands before breaks and after work.

Keep away from food, drink and animal feedingstuffs.

Contaminated work clothing should not be allowed out of the workplace.

#### **Eye/face protection**

Recommended

Tightly sealed safety glasses. (EN 166)

For Danger of splashes.

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**Hand protection**

Recommended  
 rubber gloves. (EN 374)  
 Protective gloves of neoprene (EN 374)  
 Protective gloves of nitrile (EN 374)  
 Hand lotion are recommended.

No tests have been carried out.

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.

**Skin protection**

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

**Respiratory protection**

With correct and proper use, and under normal conditions, breathing protection is not required.

**Environmental exposure controls**

No information available.

**SECTION 9: Physical and chemical properties****9.1. Information on basic physical and chemical properties**

Physical state:	liquid
Colour:	white
Odour:	characteristic
pH-Value:	7,3

**Changes in the physical state**

Melting point:	not determined
Initial boiling point and boiling range:	not determined
Flash point:	> 100 °C
Sustaining combustion:	Not sustaining combustion

**Flammability**

Solid:	No.
Gas:	No.

**Explosive properties**

not determined

Lower explosion limits:	not determined
Upper explosion limits:	not determined

**Auto-ignition temperature**

Solid:	not determined
Gas:	not determined

**Oxidizing properties**

not determined

Vapour pressure:	not determined
Vapour pressure:	not determined

Density:	1,035 g/cm <sup>3</sup>
Bulk density:	not determined
Water solubility:	miscible.

**Solubility in other solvents**

not determined

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Partition coefficient:	not determined
Viscosity / dynamic:	not determined
Viscosity / kinematic:	not determined
Solvent content:	not determined

**9.2. Other information**

Mixability: not determined  
 Fat solubility (g/l): not determined  
 Conductivity: not determined  
 Surface tension: not determined

**SECTION 10: Stability and reactivity****10.1. Reactivity**

See also Subsection 10.2 to 10.6.  
 The product has not been tested.

**10.2. Chemical stability**

See also Subsection 10.1 to 10.6.  
 Stable with proper storage and handling.

**10.3. Possibility of hazardous reactions**

See also Subsection 10.4 to 10.6.

**10.4. Conditions to avoid**

No data available

**10.5. Incompatible materials**

No information available.

**10.6. Hazardous decomposition products**

See also Subsection 10.4 to 10.6.  
 See also section 5.2.

**SECTION 11: Toxicological information****11.1. Information on toxicological effects****Toxicokinetics, metabolism and distribution**

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

**Acute toxicity**

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

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
111-90-0	2-(2-Ethoxyethoxy)ethanol				
	oral	LD50 mg/kg	5540	Rat	
	dermal	LD50 mg/kg	5940	Rat	

**Irritation and corrosivity**

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

**Sensitising effects**

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

**Carcinogenic/mutagenic/toxic effects for reproduction**

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

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**STOT-single exposure**

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

**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.

## SECTION 12: Ecological information

**12.1. Toxicity**

See section 2.1 (rating) for potentially additional information concerning environmental effects.

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h]   [d]	Species	Source	Method
111-90-0	2-(2-Ethoxyethoxy)ethanol					
	Acute fish toxicity	LC50 mg/l	12900	96 h	Oncorhynchus mykiss (Rainbow trout)	
	Acute crustacea toxicity	EC50 mg/l	3940	48 h	Daphnia magna	

**12.2. Persistence and degradability**

No data available

**12.3. Bioaccumulative potential**

No data available

**Partition coefficient n-octanol/water**

CAS No	Chemical name	Log Pow
111-90-0	2-(2-Ethoxyethoxy)ethanol	-0,8

**12.4. Mobility in soil**

No data available

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

No data available

**12.6. Other adverse effects**

No data available

## SECTION 13: Disposal considerations

**13.1. Waste treatment methods****Advice on disposal**

Dispose of waste according to applicable legislation.

For example: designated incinerator

E.g. dispose at suitable refuse site.

**Waste disposal number of waste from residues/unused products**

070299 WASTES FROM ORGANIC CHEMICAL PROCESSES; wastes from the MFSU of plastics, synthetic rubber and man-made fibres; wastes not otherwise specified

**Waste disposal number of contaminated packaging**

150102 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); plastic packaging

**Contaminated packaging**

Dispose of waste according to applicable legislation.

Recommendation: Completely empty containers

Contaminated packages must be completely emptied and can be re-used following proper cleaning.

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Handle contaminated packages in the same way as the substance itself.

**SECTION 14: Transport information****Land transport (ADR/RID)**

<b>14.1. UN number:</b>	not applicable
<b>14.2. UN proper shipping name:</b>	not applicable
<b>14.3. Transport hazard class(es):</b>	not applicable
<b>14.4. Packing group:</b>	not applicable

**Inland waterways transport (ADN)**

<b>14.1. UN number:</b>	not applicable
<b>14.2. UN proper shipping name:</b>	not applicable
<b>14.3. Transport hazard class(es):</b>	not applicable
<b>14.4. Packing group:</b>	not applicable

**Marine transport (IMDG)**

<b>14.1. UN number:</b>	not applicable
<b>14.2. UN proper shipping name:</b>	not applicable
<b>14.3. Transport hazard class(es):</b>	not applicable

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

<b>14.1. UN number:</b>	not applicable
<b>14.2. UN proper shipping name:</b>	not applicable
<b>14.3. Transport hazard class(es):</b>	not applicable

**14.5. Environmental hazards**

ENVIRONMENTALLY HAZARDOUS: no

**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**

Not a hazardous material with respect to these transportation regulations.

**SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulatory information****Additional information**

For classification and labelling, see section 2.  
Observe Chemical Ordinance, ChemO  
Observe Chemical Risk Reduction Ordinance, ORRChem  
Observe Air Quality Control regulation

**National regulatory information**

Water contaminating class (D): 1 - slightly water contaminating

**15.2. Chemical safety assessment**

Chemical safety assessments for substances in this mixture were not carried out.

**SECTION 16: Other information****Changes**

Revised sections: 1, 2, 3, 7, 9, 16

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**Abbreviations and acronyms**

vPvB = very persistent very bioaccumulative

PBT = persistent bioaccumulative toxic

**Further Information**

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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*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*