

3.1 Ingredients ()**

Main component / component name	CAS-, EY- or index number	Content

3.2 Mixtures ()**

Component name	CAS-, EY- or index number	EINECS	Content	Classification
Diethylene Glycol Monoethyl Ether	111-90-0	203-919-7	5-10%	Xi; R36 Eye Irrit. 2, H319

SECTION 4: FIRST AID MEASURES**4.1 Description of first aid measures**

Inhalation: A person who has inhaled the reaction gases must be given fresh air immediately. Seek medical attention if symptoms persist.

Skin: Rinse immediately with soap and plenty of water, and dispose of contaminated clothing and shoes.

Eye contact: Rinse immediately with plenty of water for at least 15 minutes. Seek medical attention if symptoms persist.

Ingestion: If conscious, drink plenty of water. Seek medical attention if symptoms persist.

4.2 The most important symptoms and effects, both acute and delayed**4.3 Possible immediate medical attention and special care advice**

Treatment and care according to symptoms.

SECTION 5: FIRE INSTRUCTIONS**5.1 Extinguishing**

The product itself does not burn. Fire extinguishing foam, carbon dioxide, powder or water spray. Possible fire can be extinguished with water.

5.2 Special hazards arising from the substance or mixture**5.3 Advice on fire fighting**

Outdoor air independent breathing apparatus in flue gas detection zone.

SECTION 6: ACCIDENTAL EMISSION MEASURES**6.1 Precautions, Personal Protection and Emergency Procedures**

Dirty surfaces will be extremely slippery.

6.2 Environmental precautions**6.3 Methods and equipment for containment and cleaning**

Methods for cleaning up - Small spill: Flush into drains with plenty of water.

6.4 References to other sections

Suitable personal protective equipment. See section 8.

Disposal of waste See section 13.

SECTION 7: HANDLING AND STORAGE**7.1 Measures required for safe handling**

If necessary, protective gloves (eg neoprene).

7.2 Conditions for safe storage, including incompatibilities

Deteriorates if frozen.

7.3 Specific end use

8.1 Control variables**HTP-values**111-90-0 Diethylene Glycol Monoethyl Ether 80 mg/m³ (8 h)**Other limit values****DNEL-values****PNEC-values****8.2 Exposure prevention****Technical precautions****Eye or face protection**

If necessary, use goggles. Avoid contact with the eyes.

Skin protection

Suitable protective clothing. Avoid long-term skin contact.

Hand protection

Rubber or plastic gloves if required.

Respiratory protection**Thermal hazards****Environment exposure prevention****SECTION 9: PHYSICAL AND CHEMICAL QUALITIES****9.1. Information on basic physical and chemical qualities**

State	White liquid
Smell	
Odor threshold	
pH	8,4
Melting point / freezing point	
Boiling point and boiling range	n. 100°C
Flash point	
Evaporation	
Flammability (solid, gas) Upper and lower flammability or explosive limits	
Vapor pressure	
Vapor Density	
Relative density	1040 g/dm ³
Solubility (ies)	partially soluble
Partition coefficient: n-octanol / water	
Auto-ignition temperature	
Decomposition temperature	
Viscosity	
Explosive	

9.2 Other information

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

Stable under normal conditions.

10.2 Chemical stability

Stable under normal ambient temperature and pressure.

10.3 Risk of dangerous reactions

Hazardous reactions are not known under normal operating conditions.

10.4 Non-suitable conditions

Stable under normal conditions. Avoid strong oxidants.

10.5 Incompatible materials

10.6 Hazardous decomposition materials

SECTION 11: TOXICOLOGICAL INFORMATION
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11.1 Information on toxic effects
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Acute toxicity

LD50/ orally / rat > 5000 mg/ kg (based on raw material data)

Skin corrosion / irritation

Severe eye damage / irritation

Respiratory or skin sensitization

Sensitization reactions were not found.

The mutagenic effects of germ cells

Carcinogenicity

Reproductive toxicity

Specific target organ toxicity - single exposure

Specific target organ toxicity - repeated exposure

Dries skin. Repeated or prolonged exposure may cause skin rash.

Aspiration

Other information

SECTION 12: INFORMATION ON ENVIRONMENTAL HAZARDS

12.1 Toxicity

The product is harmful due to its alkaline nature: ph 8.4 destroys alga.

12.2 Persistence and degradability

Naturally biodegradable

12.3 Bioaccumulation

Date 22.08.2016

12.4	Mobility in soil
	As a water-soluble liquid, passes easily into the environment.
12.5	Results of PBT- ja vPvB evaluatons
	This mixture does not contain substances which are considered to be persistent, compaction and toxic (PBT). This mixture does not contain substances which are considered to be very persistent and very accumulative (vPvB).
12.6	Other adverse effects

SECTION 13: DISPOSAL CONSIDERATIONS

13.1	Waste treatment methods
	The solution is drainable. If necessary, ask your local authorities for instructions.

SECTION 14: TRANSPORT INFORMATION

14.1	YK-number
14.2	Official shipping name
14.3	Hazard class of transport
	No hazard classification according to transport regulations.
14.4	Packing group
14.5	Environmental hazards
	None known
14.6	Special precautions for the user
	None known
14.7	Bulk cargo transportation according to MARPOL 73/78, II appendage and under IBC-regulations

SECTION 15: LEGISLATIVE INFORMATION

15.1	Safety, health and environmental regulations specific to the substance or mixture, or - legislation
15.2	Chemical Safety Assessment

SECTION 16: OTHER INFORMATION

Changes to the previous version

Explanations of abbreviations

Data sources

1.REACH. 2. STM: http- values 2012. 3.Safety Data sheets provided by raw materials suppliers.

The methodology used for rating classification

List of R and S phrases and / or hazard and precautionary statements

R36 Irritating to eyes.
H319 Severely irritating to eyes.

Employee training