



# Safety Data Sheet

according to Regulation (EC) No 1907/2006



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Product code: 11386-0017

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### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

##### Chemical characterization

Aqueous solution

##### Hazardous components

EC No	Chemical name	Quantity
CAS No	Classification	
Index No	GHS classification	
REACH No		
249-596-6	Methyl-1H-benzotriazole	1 - < 5 %
29385-43-1	Xn - Harmful, Xi - Irritant R22-36	
	Acute Tox. 4, Eye Irrit. 2; H302 H319	
215-185-5	caustic soda, sodium hydroxide	1 - < 5 %
1310-73-2	C - Corrosive R35	
011-002-00-6	Met. Corr. 1, Skin Corr. 1A; H290 H314	
01-2119457892-27		

Full text of R and H phrases: see Section 16.

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

##### General information

Remove contaminated soaked clothing immediately.  
In the event of persistent symptoms receive medical treatment.

##### After inhalation

Move to fresh air in case of accidental inhalation of vapours.  
In the event of symptoms refer for medical treatment.

##### After contact with skin

Wash off immediately with soap and plenty of water.  
Consult a doctor if skin irritation persists.

##### After contact with eyes

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.  
Seek medical treatment by eye specialist.

##### After ingestion

Never give anything by mouth to an unconscious person. Do not induce vomiting.  
Rinse out mouth thoroughly with water.  
Consult a physician.

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

Causes skin irritation. Causes serious eye irritation.

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

Treat symptoms.  
Coughing. Irritating to eyes. Irritating to skin. Ingestion of larger amounts may cause defects to the central nervous system (e.g. dizziness, headache).

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

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### **Suitable extinguishing media**

The product is not combustible.  
Use fire fighting measures that suit the environment and products stored

### **Unsuitable extinguishing media**

Full water jet.

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

Fire may produce: Carbon monoxide and carbon dioxide. Under certain fire conditions traces of other toxic substances cannot be excluded.

### **5.3. Advice for firefighters**

Use breathing apparatus with independent air supply.  
Wear full protective suit.

### **Additional information**

Collect contaminated fire-fighting water, avoid any release into the sewerage. Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

## **SECTION 6: Accidental release measures**

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

Ensure adequate ventilation.  
Avoid contact with eyes, skin or mucous membrane.  
Use personal protective clothing.

### **6.2. Environmental precautions**

Do not discharge into the drains/surface waters/ground water.  
Suppress gases/vapours/mists with water spray jet

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

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder).  
Shovel into suitable container for disposal.

### **6.4. Reference to other sections**

Information for disposal see section 13.

## **SECTION 7: Handling and storage**

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

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

Do not inhale vapour/aerosol.. In case of insufficient ventilation, especially in confined areas.  
Use only in thoroughly ventilated areas.  
Avoid contact with eyes, skin or mucous membrane.  
Ensure adequate ventilation, especially in confined areas.

#### **Advice on protection against fire and explosion**

No special precautions required.

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

Protective goggles in the event of risk of splashes.

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

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

Keep container tightly closed in a dry, cool and well-ventilated place.  
Keep only in original container.

#### **Advice on storage compatibility**

Keep away from food, drink and animal feeding stuffs.

#### **Further information on storage conditions**

Protect from frost.

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

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No data available.

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

##### Exposure limits (EH40)

CAS No	Substance	ppm	mg/m <sup>3</sup>	fibres/ml	Category	Origin
1310-73-2	Sodium hydroxide	-	-	-	TWA (8 h)	WEL
		-	2	-	STEL (15 min)	WEL

#### 8.2. Exposure controls



##### Appropriate engineering controls

Ensure adequate ventilation, especially in confined areas.

##### Protective and hygiene measures

Wash hands before breaks and immediately after handling the product.

When using, do not eat, drink or smoke.

Avoid contact with skin, eyes and clothing.

Take off immediately all contaminated clothing.

##### Eye/face protection

Tightly fitting goggles (EN 166).

Eye wash bottle with pure water (EN 15154).

##### Hand protection

Chemical-resistant gloves (EN 374). Suitable materials also for extended, direct contact (recommended: protection index 6, corresponding to a permeation rate > 480 minutes according to EN 374): Nitrile rubber, butyl rubber.

Follow the recommendations of the glove manufacturer for breakthrough properties especially for workplace conditions involving mechanical stress and contact duration.

##### Skin protection

Long sleeved clothing (EN 368).

##### Respiratory protection

No personal respiratory protective equipment normally required.

Breathing apparatus in the event of aerosol or mist formation.

### SECTION 9: Physical and chemical properties

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

Physical state:	Liquid
Colour:	Colourless, Light yellow
Odour:	characteristic

##### Test method

pH-Value (at 20 °C):	9,2
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##### Changes in the physical state

Melting point:	n.a.
Initial boiling point and boiling range:	100 °C

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Flash point:	111 °C
Density (at 20 °C):	1,32 - 1,37 g/cm <sup>3</sup>
Water solubility: (at 20 °C)	Completely miscible
Explosive properties	The product is not explosive
Oxidizing properties	The product is not self-igniting
Solvent content:	0 %

### 9.2. Other information

No data available.

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Stable under normal conditions.

### 10.2. Chemical stability

Chemically stable.

### 10.3. Possibility of hazardous reactions

None under normal processing.

### 10.4. Conditions to avoid

Keep from freezing.

### 10.5. Incompatible materials

None under normal processing.

### 10.6. Hazardous decomposition products

No data available.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### **Acute toxicity**

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

#### **Acute toxicity**

CAS No	Chemical name	Exposure routes	Method	Dose	Species	Source
29385-43-1	Methyl-1H-benzotriazole	oral	LD50	675 mg/kg	Rat	
		dermal	LD50 mg/kg	> 2000	Rabbit	

#### **Irritation and corrosivity**

Causes skin irritation.

Causes serious eye irritation.

#### **Sensitising effects**

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

#### **STOT-single exposure**

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

#### **Severe effects after repeated or prolonged exposure**

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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### Aspiration hazard

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

## SECTION 12: Ecological information

### 12.1. Toxicity

No data available.

CAS No	Chemical name					
	Aquatic toxicity	Method	Dose	[h]   [d]	Species	Source
1310-73-2	caustic soda, sodium hydroxide					
	Acute fish toxicity	LC50	45,4 mg/l	96 h	Onchorhynchus mykiss	

### 12.2. Persistence and degradability

Product is biodegradable.: > 90 % (OECD 301 F)

### 12.3. Bioaccumulative potential

Not determined.

### 12.4. Mobility in soil

Not determined.

### 12.5. Results of PBT and vPvB assessment

Not determined.

### 12.6. Other adverse effects

Low hazard to waters.

### Further information

Do not release undiluted or in higher quantities into the groundwater, sewerage or waters.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

#### Advice on disposal

Should not be disposed of with household waste. Do not flush into surface water or sanitary sewer system. Where possible recycling is preferred to disposal. The waste code number must be agreed with the disposer / manufacturer / competent authority.

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

160508 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; gases in pressure containers and discarded chemicals; discarded organic chemicals consisting of or containing dangerous substances  
Classified as hazardous waste.

#### 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

Empty containers should be taken for local recycling, recovery or waste disposal. Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse. Packaging that cannot be cleaned should be disposed of like the product.

Cleaning agent: Water

## SECTION 14: Transport information

### Land transport (ADR/RID)

**14.1. UN number:** Not applicable

**14.2. UN proper shipping name:** Not applicable

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**14.3. Transport hazard class(es):** Not applicable

**14.4. Packing group:** Not applicable

**Other applicable information (land transport)**

No hazardous material as defined by the transport regulations.

**Inland waterways transport (ADN)**

**Other applicable information (inland waterways transport)**

No hazardous material as defined by the transport regulations.

**Marine transport (IMDG)**

**Other applicable information (marine transport)**

No hazardous material as defined by the transport regulations.

**Air transport (ICAO)**

**Other applicable information (air transport)**

No hazardous material as defined by the transport regulations.

**14.5. Environmental hazards**

ENVIRONMENTALLY HAZARDOUS: no

**14.6. Special precautions for user**

Handle in accordance with good industrial hygiene and safety practice.

**14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

The transport takes place only in approved and appropriate packaging.

## SECTION 15: Regulatory information

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

**EU regulatory information**

1999/13/EC (VOC): 0 %

**National regulatory information**

Employment restrictions: Observe employment restrictions for young people. Observe employment restrictions for women of child-bearing age.

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**

Changes in chapter: 4, 8, 14, 15

**Abbreviations and acronyms**

EC Directives: acts of the European Union, part of the secondary Union law

CAS-Nr.: Chemical Abstracts Service

TRGS 510: Technical Rules for Hazardous Substances "storage of hazardous materials in portable tanks"

TRGS 900: Technical Rules for Hazardous Substances "workplace exposure limits"

EN 374: Standard for protective gloves (gloves for protection against chemicals and micro-organisms)

EN 166: European safety standards for eye and face protection (requirements)

STOT: Specific target organ toxicity

AVV: European Waste Catalogue

VOC: Volatile organic compound

GHS: Globally Harmonized System of Classification, Labelling and Packaging of Chemicals

ADR: Agreement concerning the international carriage of Dangerous goods by Road

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RID: Regulation Concerning the International Transport of Dangerous Goods by Rail

IMDG-Code: International Maritime Code for Dangerous Goods

ADN: sea and inland waterway transport

ICAO: International Civil Aviation Organization

MARPOL 73/78: International Convention for the Prevention of Pollution From Ships

IBC-Code: International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk

n.a. - not applicable

### Full text of R phrases referred to under Sections 2 and 3

- |       |                              |
|-------|------------------------------|
| 22    | Harmful if swallowed.        |
| 35    | Causes severe burns.         |
| 36    | Irritating to eyes.          |
| 36/38 | Irritating to eyes and skin. |

### Full text of H statements referred to under Sections 2 and 3

- |      |  |
|------|--|
| H290 | May be corrosive to metals.              |
| H302 | Harmful if swallowed.                    |
| H314 | Causes severe skin burns and eye damage. |
| H315 | Causes skin irritation.                  |
| H319 | Causes serious eye irritation.           |

### Further Information

Data of items 4 to 8, as well as 10 to 12, do partly not refer to the use and the regular employing of the product (in this sense consult information on use and on product), but to liberation of major amounts in case of accidents and irregularities.

The information describes exclusively the safety requirements for the product(s) and is based on the present level of our knowledge.

The delivery specifications are contained in the corresponding product sheet.

This data does not constitute a guarantee for the characteristics of the product(s) as defined by the legal warranty regulations.

(n.a. = not applicable; n.d. = not determined)

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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.)*