



BE SURE. BUILD SURE.

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## Safety data sheet according to 1907/2006/EC, Article 31

Printing date 17.02.2024

Version number 9 (replaces version 8)

Revision: 17.02.2024

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

#### · 1.1 Product identifier

#### · Trade name

**Murasan Hydrotech 16 eco**

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

#### · Sector of Use

SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

#### · Application of the substance / the mixture

Concrete/Mortar admixtures

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

#### · Manufacturer/Supplier:

MC-Bauchemie Müller GmbH & Co. KG  
Am Kruppwald 1-8  
D-46238 Bottrop  
Tel.: +49(0)2041-101-0  
Fax.: +49(0)2041-101-400  
E-Mail: info@mc-bauchemie.de

MC-Bauchemie AG  
Hagackerstr. 10  
CH-8953 Dietikon  
Tel.: +44-7400510  
Fax : +44-7400533

#### · Informing department:

msds@mc-bauchemie.de

#### · 1.4 Emergency telephone number:

Tel.: +49 / (0)700 24112112 (MCR)  
Tel.: +1 872 5888271 (MCR)

### SECTION 2: Hazards identification

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

#### · Classification according to

Regulation (EC) No 1272/2008 The product is not classified, according to the GB CLP regulation.

#### · 2.2 Label elements

#### · Labelling according to

Regulation (EC) No 1272/2008 Void

#### · Hazard pictograms

Void

#### · Signal word

Void

#### · Hazard statements

Void

#### · Additional information:

EUH208 Contains 2-octyl-2H-isothiazol-3-one. May produce an allergic reaction.

Contains biocidal products: 2-octyl-2H-isothiazol-3-one

#### · 2.3 Other hazards

#### · Results of PBT and vPvB assessment

#### · PBT:

Not applicable.

#### · vPvB:

Not applicable.

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### SECTION 3: Composition/information on ingredients

#### · 3.2 Mixtures

· **Description:** Mixture consisting of the following components.

#### · **Dangerous components:**

CAS: 1022990-65-3	Oxirane, 2-ethyl-, polymer with oxirane, mono-C11-15-sec-alkyl ethers Acute Tox. 4, H302; Eye Irrit. 2, H319; Aquatic Chronic 3, H412	≥2.5-<5%
CAS: 26530-20-1 EINECS: 247-761-7	2-octyl-2H-isothiazol-3-one Acute Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 2, H330; Skin Corr. 1, H314; Aquatic Acute 1, H400 (M=100); Aquatic Chronic 1, H410 (M=100); Skin Sens. 1A, H317, EUH071 ATE: LD50 oral: 125 mg/kg LD50 dermal: 311 mg/kg LC50/4 h inhalative: 0.27 mg/l Specific concentration limit: Skin Sens. 1A; H317: C ≥0.0015 %	≥0.00025-<0.0015%

· **Additional information** For the wording of the listed hazard phrases refer to section 16.

### SECTION 4: First aid measures

#### · 4.1 Description of first aid measures

- **General information** No special measures required.
- **After inhalation** Void
- **After skin contact** The product is not skin irritating.
- **After eye contact** Rinse opened eye for several minutes under running water.
- **After swallowing** Rinse out mouth and then drink plenty of water.  
Seek medical treatment.

### SECTION 5: Firefighting measures

#### · 5.1 Extinguishing media

· **Suitable extinguishing agents** Use fire fighting measures that suit the environment.  
Void

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

No further relevant information available.

#### · 5.3 Advice for firefighters

· **Protective equipment:** No special measures required.

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### SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures** *Not required.*
- **6.2 Environmental precautions:** *Dilute with much water.*
- **6.3 Methods and material for containment and cleaning up:** *Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).*
- **6.4 Reference to other sections**  
*No dangerous materials are released.  
See Section 7 for information on safe handling  
See Section 8 for information on personal protection equipment.  
See Section 13 for information on disposal.*

### SECTION 7: Handling and storage

- **7.1 Precautions for safe handling** *No special measures required.  
No special precautions necessary if used correctly.*
- **Information about protection against explosions and fires:** *No special measures required.*
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage**
- **Requirements to be met by storerooms and containers:** *No special requirements.*
- **Information about storage in one common storage facility:** *Not required.*
- **Further information about storage conditions:** *None.*
- **Storage class** *12*

### SECTION 8: Exposure controls/personal protection

- **8.1 Control parameters**
- **Components with critical values that require monitoring at the workplace:** *The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.*
- **Additional information:** *The lists that were valid during the compilation were used as basis.*
- **8.2 Exposure controls**
- **Appropriate engineering controls** *No further data; see section 7.*

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- **Individual protection measures, such as personal protective equipment**
- **General protective and hygienic measures**      *The usual precautionary measures should be adhered to in handling the chemicals.*
- **Breathing equipment:**      *Not required.*
- **Hand protection**      *Not required.*
- **Material of gloves**      *-*
- **Penetration time of glove material**      *-*
- **Eye/face protection**      *Not required.*
- **Body protection:**      *Impervious protective clothing*

### SECTION 9: Physical and chemical properties

- **9.1 Information on basic physical and chemical properties**
- **General Information**
- **Physical state**      *Fluid*
- **Colour:**      *Whitish*
- **Smell:**      *Characteristic*
- **Odour threshold:**      *Not determined.*
- **Melting point/freezing point:**      *Not determined*
- **Boiling point or initial boiling point and boiling range**      *100 °C (CAS: 7732-18-5 water, distilled, conductivity or of similar purity)*
- **Flammability**      *Not applicable.*
- **Lower and upper explosion limit**
- **Lower:**      *Not determined.*
- **Upper:**      *Not determined.*
- **Flash point:**      *Not applicable*
- **Decomposition temperature:**      *Not determined.*
- **pH**      *Mixture reacts violently with water.*  
*Not determined.*
- **Viscosity:**
- **Kinematic viscosity**      *Not determined.*
- **dynamic:**      *Not determined.*
- **Solubility**
- **Water:**      *Fully miscible*
- **Partition coefficient n-octanol/water (log value)**      *Not determined.*
- **Steam pressure at 20 °C:**      *23 hPa (CAS: 7732-18-5 water, distilled, conductivity or of similar purity)*
- **Density and/or relative density**
- **Density**      *Not determined*
- **Relative density**      *Not determined.*
- **Vapour density**      *Not determined.*

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### · 9.2 Other information

#### · Appearance:

#### · Form:

Fluid

#### · Important information on protection of health and environment, and on safety.

#### · Self-inflammability:

Product is not selfigniting.

#### · Explosive properties:

Product is not explosive.

#### · Change in condition

#### · Evaporation rate

Not determined.

### · Information with regard to physical hazard classes

#### · Explosives

Void

#### · Flammable gases

Void

#### · Aerosols

Void

#### · Oxidising gases

Void

#### · Gases under pressure

Void

#### · Flammable liquids

Void

#### · Flammable solids

Void

#### · Self-reactive substances and mixtures

Void

#### · Pyrophoric liquids

Void

#### · Pyrophoric solids

Void

#### · Self-heating substances and mixtures

Void

#### · Substances and mixtures, which emit flammable gases in contact with water

Void

#### · Oxidising liquids

Void

#### · Oxidising solids

Void

#### · Organic peroxides

Void

#### · Corrosive to metals

Void

#### · Desensitised explosives

Void

## SECTION 10: Stability and reactivity

### · 10.1 Reactivity

No further relevant information available.

### · 10.2 Chemical stability

stable

### · Thermal decomposition / conditions to be avoided:

No decomposition if used according to specifications.

### · 10.3 Possibility of hazardous reactions

No dangerous reactions known

### · 10.4 Conditions to avoid

No further relevant information available.

### · 10.5 Incompatible materials:

No further relevant information available.

### · 10.6 Hazardous

#### decomposition products:

No dangerous decomposition products known

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**SECTION 11: Toxicological information**

- **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**
- **Acute toxicity** Based on available data, the classification criteria are not met.

- **LD/LC50 values that are relevant for classification:**

**CAS: 1022990-65-3 Oxirane, 2-ethyl-, polymer with oxirane, mono-C11-15-sec-alkyl ethers**

Oral	LD50	2000 mg/kg (rat)
Dermal	LD50	>2000 mg/kg (rat)

**CAS: 26530-20-1 2-octyl-2H-isothiazol-3-one**

Oral	LD50	125 mg/kg (ATE) 500 mg/kg (rat)
Dermal	LD50	311 mg/kg (ATE) >2000 mg/kg (rat)
Inhalative	LC50/4 h	0.27 mg/l (ATE) 0.6 mg/l (rat)

- **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
- **Serious eye damage/irritation** Based on available data, the classification criteria are not met.
- **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.
- **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.

- **11.2 Information on other hazards**

- **Endocrine disrupting properties**

None of the ingredients is listed.

**SECTION 12: Ecological information**

- **12.1 Toxicity**

- **Aquatic toxicity:**

**CAS: 1022990-65-3 Oxirane, 2-ethyl-, polymer with oxirane, mono-C11-15-sec-alkyl ethers**

EC50/48h	4.22 mg/l (Daphnia magna)
ErC50/72h	1.25 mg/l (Desmodesmus subspicatus)

**CAS: 26530-20-1 2-octyl-2H-isothiazol-3-one**

EC50/48h	0.42 mg/l (Daphnien)
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- **12.2 Persistence and degradability** No further relevant information available.

- **12.3 Bioaccumulative potential** No further relevant information available.

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- **12.4 Mobility in soil** *No further relevant information available.*
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** *Not applicable.*
- **vPvB:** *Not applicable.*
- **12.6 Endocrine disrupting properties** *The product does not contain substances with endocrine disrupting properties.*
- **12.7 Other adverse effects**
- **Additional ecological information:**
- **General notes:** *Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.*

#### SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation** *Must not be disposed of together with household garbage. Do not allow product to reach sewage system.*
- **Uncleaned packagings:**
- **Recommendation:** *Disposal must be made according to official regulations.*
- **Recommended cleaning agent:** *Water, if necessary with cleaning agent.*

#### SECTION 14: Transport information

- |   |   |
|---|---|
| · <b>14.1 UN number or ID number</b><br>· <b>ADR, IMDG, IATA</b>                            | <i>Void</i>   |
| · <b>14.2 UN proper shipping name</b><br>· <b>ADR, IMDG, IATA</b>                           | <i>Void</i>   |
| · <b>14.3 Transport hazard class(es)</b><br>· <b>ADR, ADN, IMDG, IATA</b><br>· <b>Class</b> | <i>Void</i>   |
| · <b>14.4 Packing group</b><br>· <b>ADR, IMDG, IATA</b>                                     | <i>Void</i>   |
| · <b>14.5 Environmental hazards:</b><br>· <b>Marine pollutant:</b>                          | <i>No</i>   |
| · <b>14.6 Special precautions for user</b>  | <i>Not applicable.</i>                                      |
| · <b>14.7 Maritime transport in bulk according to IMO instruments</b>                       | <i>Not applicable.</i>                                      |
| · <b>Transport/Additional information:</b>  | <i>Not dangerous according to the above specifications.</i> |

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· **UN "Model Regulation":** Void

#### SECTION 15: Regulatory information

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

· **Regulated explosives precursors**

None of the ingredients is listed.

· **Regulated poisons**

None of the ingredients is listed.

· **Reportable explosives precursors**

None of the ingredients is listed.

· **Reportable poisons**

None of the ingredients is listed.

· **Directive 2012/18/EU**

· **Named dangerous substances - ANNEX I**

None of the ingredients is listed.

· **15.2 Chemical safety assessment:**

A Chemical Safety Assessment has not been carried out.

#### SECTION 16: Other information

· **Relevant phrases**

- H301 Toxic if swallowed.
- H302 Harmful if swallowed.
- H311 Toxic in contact with skin.
- H314 Causes severe skin burns and eye damage.
- H317 May cause an allergic skin reaction.
- H319 Causes serious eye irritation.
- H330 Fatal if inhaled.
- H400 Very toxic to aquatic life.
- H410 Very toxic to aquatic life with long lasting effects.
- H412 Harmful to aquatic life with long lasting effects.
- EUH071 Corrosive to the respiratory tract.

· **Abbreviations and acronyms:**

- RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
- ICAO: International Civil Aviation Organisation
- ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)
- IMDG: International Maritime Code for Dangerous Goods
- IATA: International Air Transport Association
- GHS: Globally Harmonised System of Classification and Labelling of Chemicals
- EINECS: European Inventory of Existing Commercial Chemical Substances

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*ELINCS: European List of Notified Chemical Substances*

*CAS: Chemical Abstracts Service (division of the American Chemical Society)*

*LC50: Lethal concentration, 50 percent*

*LD50: Lethal dose, 50 percent*

*PBT: Persistent, Bioaccumulative and Toxic*

*vPvB: very Persistent and very Bioaccumulative*

*ATE: Acute toxicity estimate values*

*Acute Tox. 3: Acute toxicity – Category 3*

*Acute Tox. 4: Acute toxicity – Category 4*

*Acute Tox. 2: Acute toxicity – Category 2*

*Skin Corr. 1: Skin corrosion/irritation – Category 1*

*Eye Irrit. 2: Serious eye damage/eye irritation – Category 2*

*Skin Sens. 1A: Skin sensitisation – Category 1A*

*Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1*

*Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1*

*Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3*

**\* Data compared to the  
previous version altered.**

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