



BE SURE. BUILD SURE.

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## **Safety data sheet** **according to Regulation (EC) No 1907/2006, Article 31**

Printing date 12.04.2024

Version number 31 (replaces version 30)

Revision: 12.04.2024

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

· **1.1 Product identifier**

· **Trade name** Murasan Hydrotech 883 plus

· **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**

Eye Irrit. 2 H319 Causes serious eye irritation.

· **2.2 Label elements**

· **Labelling according to**

**Regulation (EC) No 1272/2008** The product is classified and labelled according to the GB CLP regulation.

· **Hazard pictograms**



GHS07

· **Signal word**

Warning

· **Hazard statements**

H319 Causes serious eye irritation.

· **Precautionary statements**

P264

Wash thoroughly after handling.

P280

Wear eye protection / face protection.

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

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- Additional information:**
- P337+P313 If eye irritation persists: Get medical advice/attention.
- EUH208 Contains 2-octyl-2H-isothiazol-3-one, reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1), 3-aminopropyltriethoxysilane, 1,2-benzisothiazol-3(2H)-one. May produce an allergic reaction.
- Contains biocidal products: 1,2-benzisothiazol-3(2H)-one, 2-octyl-2H-isothiazol-3-one, reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)
- 2.3 Other hazards**
- Results of PBT and vPvB assessment**
- PBT:** Not applicable.
- vPvB:** Not applicable.

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

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

#### Dangerous components:

CAS: 9043-30-5	Isotridecanol, ethoxylated (7-14 EO) Eye Dam. 1, H318; Acute Tox. 4, H302	≥1-<1.5%
CAS: 919-30-2 EINECS: 213-048-4	3-aminopropyltriethoxysilane Skin Corr. 1B, H314; Acute Tox. 4, H302; Skin Sens. 1, H317	≥0.1-<0.5%
CAS: 2634-33-5	1,2-benzisothiazol-3(2H)-one Acute Tox. 2, H330; Eye Dam. 1, H318; Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Acute Tox. 4, H302; Skin Irrit. 2, H315; Skin Sens. 1, H317 Specific concentration limit: Skin Sens. 1; H317: C ≥0.05 %	<0.025%

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<p>CAS: 26530-20-1 EINECS: 247-761-7</p>	<p>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 <math>\geq</math> 0.0015 %</p>	<p><math>\geq 0.00025</math> - <math>&lt; 0.0015\%</math></p>
<p>CAS: 55965-84-9</p>	<p>reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1) Acute Tox. 3, H301; Acute Tox. 2, H310; Acute Tox. 2, H330; Skin Corr. 1C, H314; Eye Dam. 1, H318; Aquatic Acute 1, H400 (M=100); Aquatic Chronic 1, H410 (M=100); Skin Sens. 1A, H317, EUH071 Specific concentration limits: Skin Corr. 1C; H314: C <math>\geq</math> 0.6 % Skin Irrit. 2; H315: <math>0.06\% \leq C &lt; 0.6\%</math> Eye Dam. 1; H318: C <math>\geq</math> 0.6 % Eye Irrit. 2; H319: <math>0.06\% \leq C &lt; 0.6\%</math> Skin Sens. 1A; H317: C <math>\geq</math> 0.0015 %</p>	<p><math>\geq 0.00025</math> - <math>&lt; 0.0015\%</math></p>

· **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**

- **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
- 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.  
 The lists that were valid during the compilation were used as basis.
- **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**      Wash hands during breaks and at the end of the work.
- **Breathing equipment:**      Not required.
- **Hand protection**      Not required.
- **Material of gloves**      The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
- **Penetration time of glove material**      The exact breakthrough time must be obtained from the protective glove manufacturer and must be observed.
- **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**
- **Colour:**      White
- **Smell:**      Pleasant
- **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
- **Auto-ignition temperature:**      225 °C
- **Decomposition temperature:**      Not determined.
- **pH at 20 °C**      8
- **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 at 20 °C**      0.97 g/cm<sup>3</sup>

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· <b>Relative density</b>	<i>Not determined.</i>
· <b>Vapour density</b>	<i>Not determined.</i>
· <b>9.2 Other information</b>	
· <b>Appearance:</b>	
· <b>Form:</b>	<i>Fluid</i>
· <b>Important information on protection of health and environment, and on safety.</b>	
· <b>Self-inflammability:</b>	<i>Product is not selfigniting.</i>
· <b>Explosive properties:</b>	<i>Product is not explosive.</i>
· <b>Change in condition</b>	
· <b>Evaporation rate</b>	<i>Not determined.</i>
· <b>Information with regard to physical hazard classes</b>	
· <b>Explosives</b>	<i>Void</i>
	<i>Void</i>
· <b>Flammable gases</b>	<i>Void</i>
	<i>Void</i>
· <b>Aerosols</b>	<i>Void</i>
	<i>Void</i>
· <b>Oxidising gases</b>	<i>Void</i>
	<i>Void</i>
· <b>Gases under pressure</b>	<i>Void</i>
	<i>Void</i>
· <b>Flammable liquids</b>	<i>Void</i>
	<i>Void</i>
· <b>Flammable solids</b>	<i>Void</i>
	<i>Void</i>
· <b>Self-reactive substances and mixtures</b>	<i>Void</i>
	<i>Void</i>
· <b>Pyrophoric liquids</b>	<i>Void</i>
	<i>Void</i>
· <b>Pyrophoric solids</b>	<i>Void</i>
	<i>Void</i>
· <b>Self-heating substances and mixtures</b>	<i>Void</i>
	<i>Void</i>
· <b>Substances and mixtures, which emit flammable gases in contact with water</b>	<i>Void</i>
	<i>Void</i>
· <b>Oxidising liquids</b>	<i>Void</i>
	<i>Void</i>
· <b>Oxidising solids</b>	<i>Void</i>
	<i>Void</i>
· <b>Organic peroxides</b>	<i>Void</i>
	<i>Void</i>
· <b>Corrosive to metals</b>	<i>Void</i>
	<i>Void</i>

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· **Desensitised explosives**

Void

Void

### SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
- **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

### 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: 9043-30-5 Isotridecanol, ethoxylated (7-14 EO)**

Oral	LD50	>2000 mg/kg (rat)
	NOAEL	>50 mg/kg (rat)
Dermal	LD50	>2000 mg/kg (rabbit)

**CAS: 919-30-2 3-aminopropyltriethoxysilane**

Oral	LD50	1780 mg/kg (rat)
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**CAS: 2634-33-5 1,2-benzisothiazol-3(2H)-one**

Oral	LD50	1020 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)

**CAS: 55965-84-9 reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)**

Oral	LD50	49.6-75 mg/kg (rat)
Dermal	LD50	87.12 mg/kg (rabbit)
Inhalative	LC50/4 h	0.171 mg/l (rat)

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- **Serious eye damage/irritation** Causes serious eye irritation.
- **11.2 Information on other hazards**

· **Endocrine disrupting properties**

CAS: 556-67-2 octamethylcyclotetrasiloxane

List II; III

## SECTION 12: Ecological information

· **12.1 Toxicity**

· **Aquatic toxicity:**

**CAS: 9043-30-5 Isotridecanol, ethoxylated (7-14 EO)**

EC50/72h	1-10 mg/l (Desmodesmus subspicatus)
LC50/96h	1-10 mg/l (Cyp)
EC50/48h	1-10 mg/l (Daphnia magna)
NOEC	1.36 mg/l (Daphnia magna)
	1.73 mg/l (fish)
EC10/3d	0.6 mg/l (algae)

**CAS: 919-30-2 3-aminopropyltriethoxysilane**

LC0/96h	934 mg/l (Brachydanio rerio)
EC50/72h	603 mg/l (Scenedesmus subspicatus)
EC50/48h	331 mg/l (Daphnia magna)

**CAS: 2634-33-5 1,2-benzisothiazol-3(2H)-one**

EC50/72h	0.067 mg/l (Pseudokirchneriella subcapitata)
	0.11 mg/l (Selenastrum capricornutum)
LC50/96h	1.6 mg/l (Oncorhynchus mykiss)
EC50/48h	1.1 mg/l (Daphnia magna)

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

EC50/48h	0.42 mg/l (Daphnien)
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**CAS: 55965-84-9 reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)**

LC50/24h	0.19 mg/l (fish)
EC50/72h	0.027 mg/l (Pseudokirchneriella subcapitata)
LC50/96h	0.19 mg/l (Oncorhynchus mykiss)
LC50/48h	0.28 mg/l (fish)
EC50/48h	0.16 mg/l (Daphnia magna)
NOEC	0.02 mg/l (Oncorhynchus mykiss)
	0.00049 mg/l (Ske)
	0.1 mg/l (Daphnia magna)

· **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** For information on endocrine disrupting properties see section 11.
- **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>                                  | Void            |
| · <b>ADR, IMDG, IATA</b>  | Void            |
| · <b>14.2 UN proper shipping name</b>                                 | Void            |
| · <b>ADR, IMDG, IATA</b>  | Void            |
| · <b>14.3 Transport hazard class(es)</b>                              | Void            |
| · <b>ADR, ADN, IMDG, IATA</b>   | Void            |
| · <b>Class</b>  | Void            |
| · <b>14.4 Packing group</b>   | Void            |
| · <b>ADR, IMDG, IATA</b>  | Void            |
| · <b>14.5 Environmental hazards:</b>                                  | No              |
| · <b>Marine pollutant:</b>  | No              |
| · <b>14.6 Special precautions for user</b>                            | Not applicable. |
| · <b>14.7 Maritime transport in bulk according to IMO instruments</b> | Not applicable. |
| · <b>UN "Model Regulation":</b>                                       | Void            |

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### 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.  
H310 Fatal in contact with skin.  
H311 Toxic in contact with skin.  
H314 Causes severe skin burns and eye damage.  
H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H318 Causes serious eye damage.  
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.  
EUH071 Corrosive to the respiratory tract.

- **Abbreviations and acronyms:** 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  
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

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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  
Skin Corr. 1B: Skin corrosion/irritation – Category 1B  
Skin Corr. 1C: Skin corrosion/irritation – Category 1C  
Skin Irrit. 2: Skin corrosion/irritation – Category 2  
Eye Dam. 1: Serious eye damage/eye irritation – Category 1  
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2  
Skin Sens. 1: Skin sensitisation – Category 1  
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

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

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