



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 24 (replaces version 23)

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 ultra*

· **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 Dam. 1 H318 Causes serious eye damage.

Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

· **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**



GHS05

· **Signal word**

Danger

· **Hazard-determining components of labelling:**

Isotridecanol, ethoxylated (7-14 EO)

· **Hazard statements**

H318 Causes serious eye damage.

H412 Harmful to aquatic life with long lasting effects.

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- **Precautionary statements**
 - P273 Avoid release to the environment.
 - 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.
 - P310 Immediately call a POISON CENTER/doctor.
 - P501 Dispose of contents/container in accordance with local/regional/national/international regulations.
- **Additional information:**

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	≥3-<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-<1%
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-<0.05%

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CAS: 556-67-2 EINECS: 209-136-7	octamethylcyclotetrasiloxane Flam. Liq. 3, H226; Repr. 2, H361f; Aquatic Chronic 1, H410 (M=10) PBT; vPvB	≥ 0.0025 - $< 0.025\%$
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 $\geq 0.0015\%$	≥ 0.00025 - $< 0.0015\%$
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) 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 $\geq 0.6\%$ Skin Irrit. 2; H315: $0.06\% \leq C < 0.6\%$ Eye Dam. 1; H318: C $\geq 0.6\%$ Eye Irrit. 2; H319: $0.06\% \leq C < 0.6\%$ Skin Sens. 1A; H317: C $\geq 0.0015\%$	≥ 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

- **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.

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- **5.3 Advice for firefighters**
- **Protective equipment:** No special measures required.

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.

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- **8.2 Exposure controls**
- **Appropriate engineering controls** *No further data; see section 7.*
- **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**
- **Physical state** *Fluid*
- **Colour:** *White*
- **Smell:** *Pleasant*
- **Odour threshold:** *Not determined.*
- **Melting point/freezing point:** *Not determined*
- **Boiling point or initial boiling point and boiling range** *Not determined*
- **Flammability** *Not applicable.*
- **Lower and upper explosion limit**
- **Lower:** *Not determined.*
- **Upper:** *Not determined.*
- **Flash point:** *Not applicable*
- **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:** *Not determined.*

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- **Density and/or relative density**
- **Density at 20 °C** 0.94 g/cm³
- **Relative density** Not determined.
- **Vapour density** Not determined.

- **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**
- **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.

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- **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)

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)

- **Serious eye damage/irritation** Causes serious eye damage.

- **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)

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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)
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.
- **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 product to reach ground water, water bodies or sewage system.

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Danger to drinking water if even small quantities leak into soil.

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

· 14.1 UN number or ID number

· ADR, IMDG, IATA *Void*

· 14.2 UN proper shipping name

· ADR, IMDG, IATA *Void*

· 14.3 Transport hazard class(es)

· ADR, ADN, IMDG, IATA

· Class *Void*

· 14.4 Packing group

· ADR, IMDG, IATA *Void*

· 14.5 Environmental hazards:

· Marine pollutant: *No*

· 14.6 Special precautions for user *Not applicable.*

· 14.7 Maritime transport in bulk according to IMO instruments *Not applicable.*

· 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.

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· 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

- H226 Flammable liquid and vapour.
- 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.
- H361f Suspected of damaging fertility.
- 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
- Flam. Liq. 3: Flammable liquids – Category 3
- 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
- Skin Sens. 1: Skin sensitisation – Category 1

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

Repr. 2: Reproductive toxicity – Category 2

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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