



BE SURE. BUILD SURE.

Page 1/9

Safety Data Sheet according to P.U.(A) 310/2013

Printing date 10.12.2024

Version number 28


Revision: 10.12.2024

1 Identification of the hazardous chemical and of the supplier

- **Product identifier**
- **Trade name** **Emcephob HSL-W**
- **Recommended use of the chemical and restrictions on use**
- **Sector of Use** SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)
- **Application of the substance / the mixture** Additive
- **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

2 Hazard identification

- **Classification of the substance or mixture**
Skin Irrit. 2 H315 Causes skin irritation.
Skin Sens. 1 H317 May cause allergic skin reaction.
- **Label elements**
- **GHS label elements** The product is classified and labelled according to the Globally Harmonised System (GHS).
- **Hazard pictograms**

GHS07
- **Signal word** Warning
- **Hazard-determining components of labelling:** Ethoxylated lauryl alcohol
2-methyl-2H-isothiazol-3-one
- **Hazard statements** H315 Causes skin irritation.
H317 May cause allergic skin reaction.
- **Precautionary statements** P261 Avoid breathing dust/fume/ gas/mist/vapours/spray.
P280 Wear protective gloves.
P332+P313 If skin irritation occurs: Get medical advice/attention.

(Contd. on page 2)

MY

Safety Data Sheet according to P.U.(A) 310/2013

Printing date 10.12.2024

Version number 28

Revision: 10.12.2024

Trade name Emcephob HSL-W

(Contd. of page 1)

P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

P362 Take off contaminated clothing and wash before reuse.

P363 Wash contaminated clothing before reuse.

· **Other hazards**

· **Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

3 Composition and information of the ingredients of the hazardous chemical

· **Chemical characterisation: Mixtures**

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

· **Dangerous components:**

CAS: 2943-75-1	triethoxyoctylsilane Skin Irrit. 2, H315	30-60%
CAS: 9002-92-0	Ethoxylated lauryl alcohol Aquatic Acute 1, H400; Acute Tox. 4, H332; Eye Irrit. 2, H319; Aquatic Chronic 3, H412	≥0.25-<2.5%
CAS: 2682-20-4	2-methyl-2H-isothiazol-3-one Acute Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 2, H330; Skin Corr. 1, H314; Eye Dam. 1, H318; Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Skin Sens. 1, H317	≥0.0015-<0.025%
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. 1, H314; Eye Dam. 1, H318; Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Skin Sens. 1, H317	≥0.00025-<0.0015%

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

4 First-aid measures

· **Description of first aid measures**

· **After inhalation** Supply fresh air; consult doctor in case of symptoms.

· **After skin contact** Instantly wash with water and soap and rinse thoroughly.
Seek immediate medical advice.

· **After eye contact** Rinse opened eye for several minutes under running water. If symptoms persist, consult doctor.

· **After swallowing** Do not induce vomiting; instantly call for medical help.

MY

(Contd. on page 3)



BE SURE. BUILD SURE.

Page 3/9

Safety Data Sheet according to P.U.(A) 310/2013

Printing date 10.12.2024

Version number 28

Revision: 10.12.2024

Trade name Emcephob HSL-W

(Contd. of page 2)

5 Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents** CO₂, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.
Use fire fighting measures that suit the environment.
- **Special hazards arising from the substance or mixture** Carbon monoxide (CO)
- **Advice for firefighters**
- **Protective equipment:** Wear self-contained breathing apparatus.
Do not inhale explosion gases or combustion gases.
- **Additional information** Cool endangered containers with water spray jet.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures** Wear protective clothing.
- **Environmental precautions:** Do not allow product to reach sewage system or water bodies.
If material reaches soil inform authorities responsible for such cases.
- **Methods and material for containment and cleaning up:** Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Ensure adequate ventilation.
- **Reference to other sections** See Section 7 for information on safe handling
See Section 8 for information on personal protection equipment.
See Section 13 for information on disposal.

7 Handling and storage

- **Handling**
- **Precautions for safe handling** Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.
- **Information about protection against explosions and fires:** No special measures required.
- **Conditions for safe storage, including any incompatibilities**
- **Storage**
- **Requirements to be met by storerooms and containers:** Store only in the original container.
- **Information about storage in one common storage facility:** Store away from oxidising agents.
- **Further information about storage conditions:** None.
- **Storage class** 10

(Contd. on page 4)

MY

Safety Data Sheet according to P.U.(A) 310/2013

Printing date 10.12.2024

Version number 28

Revision: 10.12.2024

Trade name Emcephob HSL-W

· **Specific end use(s)**

No further relevant information available.

(Contd. of page 3)

8 Exposure controls and personal protection

· **Additional information about**

design of technical systems: No further data; see section 7.

· **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.

· **DNELs**

CAS: 2943-75-1 triethoxyoctylsilane

Oral DNEL 6.2 mg/kg bw/Tag (ArL)

Dermal DNEL 9.1 mg/kg bw/day (ArL)

Inhalative DNEL 16 mg/m³ (ArL)

· **PNECs**

CAS: 2943-75-1 triethoxyoctylsilane

PNEC >100 mg/l (Sewage Treatment Plant)

0.00058 mg/l (Mew)

0.0058 mg/l (Freshwater)

PNEC 0.08 mg/kg dwt (Bod)

0.051 mg/kg dwt (Sediment)

0.51 mg/kg dwt (Fresh water sediment)

· **Additional information:**

The lists that were valid during the compilation were used as basis.

· **Exposure controls**

· **Personal protective equipment**

· **General protective and hygienic measures**

Keep away from foodstuffs, beverages and food.

Instantly remove any soiled and impregnated garments.

Wash hands during breaks and at the end of the work.

Avoid contact with the skin.

Avoid contact with the eyes and skin.

· **Breathing equipment:**

Filter A/P2.

· **Protection of hands:**

Protective gloves.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

After use of gloves apply skin-cleaning agents and skin cosmetics.

· **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.

(Contd. on page 5)



BE SURE. BUILD SURE.

Page 5/9

Safety Data Sheet according to P.U.(A) 310/2013

Printing date 10.12.2024

Version number 28

Revision: 10.12.2024

Trade name Emcephob HSL-W

(Contd. of page 4)

· **Penetration time of glove material**

Butyl rubber, BR

The exact breakthrough time must be obtained from the protective glove manufacturer and must be observed.

· **Eye protection:**

Frame glasses

· **Body protection:**

Impervious protective clothing

Protective work clothing.

9 Physical and chemical properties

· **Information on basic physical and chemical properties**

· **General Information**

· **Appearance:**

Form:

Fluid

Colour:

Whitish

· **Smell:**

Characteristic

· **Odour threshold:**

Not determined.

· **pH-value:**

Not determined.

· **Change in condition**

Melting point/freezing point

Not determined

Initial boiling point and boiling range

Not determined

· **Flash point:**

100 °C (Seta geschlossener Tiegel)

· **Flammability**

Not applicable.

· **Decomposition temperature:**

Not determined.

· **Auto-ignition temperature**

Product is not selfigniting.

· **Explosive properties:**

Product is not explosive.

· **Critical values for explosion:**

Lower:

Not determined.

Upper:

Not determined.

· **Steam pressure:**

Not determined.

· **Density**

Not determined

· **Relative density**

Not determined.

· **Vapour density**

Not determined.

· **Evaporation rate**

Not determined.

· **Solubility in / Miscibility with**

Water:

Not miscible or difficult to mix

· **Partition coefficient: n-octanol/water**

Not determined.

· **Viscosity:**

dynamic:

Not determined.

kinematic:

Not determined.

(Contd. on page 6)

MY

Safety Data Sheet according to P.U.(A) 310/2013

Printing date 10.12.2024

Version number 28

Revision: 10.12.2024

Trade name Emcephob HSL-W

(Contd. of page 5)

· **Other information**

No further relevant information available.

10 Stability and reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known

11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity**

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

CAS: 2943-75-1 triethoxyoctylsilane

Oral	LD50	>5110 mg/kg (rat)
Dermal	LD50	6730 mg/kg (rat)

CAS: 9002-92-0 Ethoxylated lauryl alcohol

Oral	LD50	1000 mg/kg (rat)
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CAS: 2682-20-4 2-methyl-2H-isothiazol-3-one

Oral	LD50	50-300 mg/kg (rat)
Inhalative	LC50/4 h	0.11 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)

- **Primary irritant effect:**
- **Skin corrosion or irritation** Irritant for skin and mucous membranes.
- **Serious eye damage or eye irritation** No irritant effect.
- **Respiratory / skin sensitization** No sensitizing effect known.
- **Additional toxicological information:** The product shows the following dangers according to the calculation method of the General EC Classification Guidelines for Preparations as issued in the latest version:

(Contd. on page 7)

Safety Data Sheet according to P.U.(A) 310/2013

Printing date 10.12.2024

Version number 28

Revision: 10.12.2024

Trade name Emcephob HSL-W

Irritant

(Contd. of page 6)

12 Ecological information

· **Toxicity**

· **Aquatic toxicity:**

CAS: 2943-75-1 triethoxyoctylsilane

LC50/96h >0.055 mg/l (Oncorhynchus mykiss)

EC50/48h >0.049 mg/l (Daphnia magna)

ErC50/72h >0.13 mg/l (Pseudokirchneriella subcapitata)

CAS: 2682-20-4 2-methyl-2H-isothiazol-3-one

EC50/72h 0.157 mg/l (Pseudokirchneriella subcapitata)

LC50/96h 6 mg/l (Oncorhynchus mykiss)

EC50/48h 1.68 mg/l (Daphnies)

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)

· **Persistence and degradability** No further relevant information available.

· **Behaviour in environmental systems:**

· **Bioaccumulative potential** No further relevant information available.

· **Mobility in soil** No further relevant information available.

· **Additional ecological information:**

· **General notes:** Do not allow product to reach ground water, water bodies or sewage system.

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

· **Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

· **Other adverse effects** No further relevant information available.

13 Disposal information

· **Waste treatment methods**

· **Recommendation**

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

(Contd. on page 8)

MY

Safety Data Sheet according to P.U.(A) 310/2013

Printing date 10.12.2024

Version number 28

Revision: 10.12.2024

Trade name Emcephob HSL-W

(Contd. of page 7)

· **Uncleaned packagings:**

· **Recommendation:**

Disposal must be made according to official regulations.

14 Transportation information

· **UN-Number**

· **ADR, ADN, IMDG, IATA**

Void

· **UN proper shipping name**

· **ADR, ADN, IMDG, IATA**

Void

· **Transport hazard class(es)**

· **ADR, ADN, IMDG, IATA**

· **Class**

Void

· **Packing group**

· **ADR, IMDG, IATA**

Void

· **Environmental hazards:**

· **Marine pollutant:**

No

· **Special precautions for user**

Not applicable.

· **Transport in bulk according to Annex II of
Marpol and the IBC Code**

Not applicable.

· **UN "Model Regulation":**

Void

15 Regulatory information

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

· **EHS reference list**

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)

· **Directive 2012/18/EU**

· **Named dangerous**

substances - ANNEX I

None of the ingredients is listed.

· **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

16 Other information

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Department issuing data
specification sheet:**

Environment protection department.

(Contd. on page 9)

MY



BE SURE. BUILD SURE.

Page 9/9

Safety Data Sheet according to P.U.(A) 310/2013

Printing date 10.12.2024

Version number 28

Revision: 10.12.2024

Trade name Emcephob HSL-W

(Contd. of page 8)

· **Contact:**

· **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
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)
DNEL: Derived No-Effect Level (REACH)
PNEC: Predicted No-Effect Concentration (REACH)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
Acute Tox. 3: Acute toxicity - oral – Category 3
Acute Tox. 2: Acute toxicity - oral – Category 2
Acute Tox. 4: Acute toxicity - oral – Category 4
Skin Corr. 1: Skin corrosion or irritation – Category 1
Skin Irrit. 2: Skin corrosion or irritation – Category 2
Eye Dam. 1: Serious eye damage or eye irritation – Category 1
Eye Irrit. 2: Serious eye damage or eye irritation – Category 2
Skin Sens. 1: Skin sensitization – Category 1
Aquatic Acute 1: Hazardous to the aquatic environment - acute hazard – Category 1
Aquatic Chronic 1: Hazardous to the aquatic environment - chronic hazard – Category 1
Aquatic Chronic 3: Hazardous to the aquatic environment - chronic hazard – Category 3

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

MY