



BE SURE. BUILD SURE.

Page 1/7

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

Printing date 10.12.2024

Version number 33

Revision: 10.12.2024

1 Identification of the hazardous chemical and of the supplier

- **Product identifier**
- **Trade name** **MC-Montan Drive LB 02**
- **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** soil conditioning
- **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**
Acute Tox. 4 H302 Harmful if swallowed.
- **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:** 2,2'-oxybisethanol
- **Hazard statements** H302 Harmful if swallowed.
- **Precautionary statements**
P264 Wash thoroughly after handling.
P270 Do not eat, drink, or smoke when using this product.
P301+P312 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.
P330 Rinse mouth.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.
- **Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.

(Contd. on page 2)

MY



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

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Revision: 10.12.2024

Trade name MC-Montan Drive LB 02

· **vPvB:** Not applicable.

(Contd. of page 1)

3 Composition and information of the ingredients of the hazardous chemical

· **Chemical characterisation: Mixtures**

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

· **Dangerous components:**

CAS: 111-46-6	2,2'-oxybisethanol	STOT RE 2, H373; Acute Tox. 4, H302	<1.5%
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· **Additional information** For the wording of the listed hazard phrases refer to section 16.

4 First-aid measures

· **Description of first aid measures**

· **General information** No special measures required.

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

· **After skin contact** The product is not skin irritating.

· **After eye contact** Rinse opened eye for several minutes under running water.

· **After swallowing** In case of persistent symptoms consult doctor.

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.

· **Special hazards arising from the substance or mixture** No further relevant information available.

· **Advice for firefighters**

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

6 Accidental release measures

· **Personal precautions, protective equipment and emergency procedures** Not required.

· **Environmental precautions:** No special measures required.

· **Methods and material for containment and cleaning up:** Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

· **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.



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Revision: 10.12.2024

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(Contd. of page 2)

7 Handling and storage

- **Handling**
- **Precautions for safe handling** *No special measures required.*
- **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:** *No special requirements.*
- **Information about storage in one common storage facility:** *Not required.*
- **Further information about storage conditions:** *None.*
- **Storage class** *12*

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: 111-46-6 2,2'-oxybisethanol

Dermal	DNEL	106 mg/kg bw/day (ArL)
Inhalative	DNEL	60 mg/m ³ (ArL)

· **PNECs**

CAS: 111-46-6 2,2'-oxybisethanol

PNEC	199.5 mg/l (Sewage Treatment Plant)	
	10 mg/l (Fresh water)	
	1 mg/l (Marine)	
PNEC	1.53 mg/kg dwt (Bod)	
	20.9 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**

The usual precautionary measures should be adhered to in handling the chemicals.

- **Breathing equipment:** *Not required.*
- **Protection of hands:** *Not required.*

(Contd. on page 4)



BE SURE. BUILD SURE.

Page 4/7

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

Printing date 10.12.2024

Version number 33

Revision: 10.12.2024

Trade name MC-Montan Drive LB 02

(Contd. of page 3)

- **Material of gloves** -
- **Penetration time of glove material** -
- **Eye protection:** Not required.
- **Body protection:** Impervious protective clothing

9 Physical and chemical properties

· Information on basic physical and chemical properties

· General Information

· Appearance:

- **Form:** Fluid
- **Colour:** Yellow
- **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:** Not applicable

- **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 at 20 °C:** >0 hPa

- **Density at 20 °C** 1.2 g/cm³
- **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 at 20 °C:** <100 mPas
- **kinematic:** Not determined.

(Contd. on page 5)

MY



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Version number 33

Revision: 10.12.2024

Trade name MC-Montan Drive LB 02

(Contd. of page 4)

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: 111-46-6 2,2'-oxybisethanol

Oral	LD50	50 mg/kg (rat)
	NOAEL	3060 mg/kg (mouse)
Dermal	LD50	11890 mg/kg (rabbit)
Inhalative	LC50/4 h	>5.08 mg/l (rat)

- **Primary irritant effect:**
- **Skin corrosion or irritation** No irritant effect.
- **Serious eye damage or eye irritation** No irritant effect.
- **Respiratory / skin sensitization** No sensitizing effect known.
- **Additional toxicological information:**

The product is not subject to classification according to the calculation method of the General EC Classification Guidelines for Preparations as issued in the latest version:
When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

MY

(Contd. on page 6)



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Revision: 10.12.2024

Trade name MC-Montan Drive LB 02

(Contd. of page 5)

12 Ecological information

· **Toxicity**

· **Aquatic toxicity:**

CAS: 111-46-6 2,2'-oxybisethanol

IC50	>1000 mg/l (Bak)
EC50/24h	>10000 mg/l (Daphnien)
LC50/96h	75200 mg/l (fish)
NOEC	8590 mg/l (Daphnien)

· **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.

· **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

(Contd. on page 7)

MY



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

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(Contd. of page 6)

· 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.
· Transport/Additional information:	Not dangerous according to the above specifications.
· UN "Model Regulation":	Void

15 Regulatory information

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

· **EHS reference list**

CAS: 111-46-6 | 2,2'-oxybisethanol

· **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.

· **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. 4: Acute toxicity - oral – Category 4
 STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2

· * Data compared to the previous version altered.