



BE SURE. BUILD SURE.

Page 1/8

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

Printing date 18.12.2021

Version number 6

Revision: 18.12.2021

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

· **1.1 Product identifier**

· **Trade name** MC-Montan Drive LB 02

· **Article number:** 4004

· **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** soil conditioning

· **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.: +48612864565

### 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 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:** Safety data sheet available on request.

· **2.3 Other hazards**

· **Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

GB

(Contd. on page 2)



BE SURE. BUILD SURE.

Page 2/8

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

Printing date 18.12.2021

Version number 6

Revision: 18.12.2021

Trade name MC-Montan Drive LB 02

(Contd. of page 1)

### SECTION 3: Composition/information on ingredients

#### · 3.2 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	<5%
EINECS: 203-872-2			

· **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** 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.

#### · 4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available.

#### · 4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

### SECTION 5: Firefighting measures

#### · 5.1 Extinguishing media

· **Suitable extinguishing agents** CO<sub>2</sub>, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.

#### · 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.

### SECTION 6: Accidental release measures

#### · 6.1 Personal precautions, protective equipment and emergency procedures

Not required.

#### · 6.2 Environmental precautions:

No special measures required.

#### · 6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

(Contd. on page 3)

GB



BE SURE. BUILD SURE.

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

Printing date 18.12.2021

Version number 6

Revision: 18.12.2021

Trade name MC-Montan Drive LB 02

(Contd. of page 2)

· **6.4 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.

### SECTION 7: Handling and storage

· **7.1 Precautions for safe handling**

No special measures required.

· **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.

· **7.3 Specific end use(s)**

No further relevant information available.

### SECTION 8: Exposure controls/personal protection

· **8.1 Control parameters**

· **Additional information about design of technical systems:**

No further data; see item 7.

· **Components with critical values that require monitoring at the workplace:**

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

WEL Long-term value: 101 mg/m<sup>3</sup>, 23 ppm

· **DNELs**

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

Dermal DNEL 106 mg/kg bw/day (ArL)

Inhalative DNEL 60 mg/m<sup>3</sup> (ArL)

· **PNECs**

**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.

(Contd. on page 4)



BE SURE. BUILD SURE.

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

Printing date 18.12.2021

Version number 6

Revision: 18.12.2021

Trade name MC-Montan Drive LB 02

(Contd. of page 3)

- **8.2 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.*
- **Material of gloves**      *-*
- **Penetration time of glove material**      *-*
- **Eye protection:**      *Safety glasses*
- **Body protection:**      *Impervious protective clothing*

### SECTION 9: Physical and chemical properties

#### · 9.1 Information on basic physical and chemical properties

##### · General Information

##### · Appearance:

- **Form:**      *Fluid*
- **Colour:**      *Cream coloured*
- **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*

· **Inflammability (solid, gaseous)**      *Not applicable.*

· **Decomposition temperature:**      *Not determined.*

· **Self-inflammability:**      *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 at 20 °C**      *1.21 g/cm<sup>3</sup>*
- **Relative density**      *Not determined.*
- **Vapour density**      *Not determined.*
- **Evaporation rate**      *Not determined.*

(Contd. on page 5)



BE SURE. BUILD SURE.

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

Printing date 18.12.2021

Version number 6

Revision: 18.12.2021

**Trade name MC-Montan Drive LB 02**

(Contd. of page 4)

- **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.*
- **9.2 Other information** *No further relevant information available.*

**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 toxicological effects**
- **Acute toxicity** *Based on available data, the classification criteria are not met.*

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

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

Oral	LD50	12565 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/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.*
- **Additional toxicological information:**
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
- **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.*

(Contd. on page 6)



BE SURE. BUILD SURE.

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

Printing date 18.12.2021

Version number 6

Revision: 18.12.2021

Trade name MC-Montan Drive LB 02

· **Aspiration hazard**

Based on available data, the classification criteria are not met.

(Contd. of page 5)

#### SECTION 12: Ecological information

· **12.1 Toxicity**

· **Aquatic toxicity:**

**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)

· **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.

· **Additional ecological information:**

· **General notes:**

Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.

· **12.5 Results of PBT and vPvB assessment**

· **PBT:**

Not applicable.

· **vPvB:**

Not applicable.

· **12.6 Other adverse effects**

No further relevant information available.

#### 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.

#### SECTION 14: Transport information

· **14.1 UN-Number**

· **ADR, ADN, IMDG, IATA**

Void

· **14.2 UN proper shipping name**

· **ADR, ADN, IMDG, IATA**

Void

· **14.3 Transport hazard class(es)**

· **ADR, ADN, IMDG, IATA**

· **Class**

Void

(Contd. on page 7)



BE SURE. BUILD SURE.

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

Printing date 18.12.2021

Version number 6

Revision: 18.12.2021

**Trade name MC-Montan Drive LB 02**

(Contd. of page 6)

· <b>14.4 Packing group</b> · <b>ADR, IMDG, IATA</b>	Void
· <b>14.5 Environmental hazards:</b> · <b>Marine pollutant:</b>	No
· <b>14.6 Special precautions for user</b>	Not applicable.
· <b>14.7 Transport in bulk according to Annex II of Marpol and the IBC Code</b>	Not applicable.
· <b>Transport/Additional information:</b>	Not dangerous according to the above specifications.
· <b>UN "Model Regulation":</b>	Void

**SECTION 15: Regulatory information**

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

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.

- **Relevant phrases** H302 Harmful if swallowed.  
H373 May cause damage to organs through prolonged or repeated exposure.
- **Department issuing data specification sheet:** Environment protection department.
- **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)  
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

(Contd. on page 8)



BE SURE. BUILD SURE.

Page 8/8

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

Printing date 18.12.2021

Version number 6

Revision: 18.12.2021

**Trade name MC-Montan Drive LB 02**

(Contd. of page 7)

Acute Tox. 4: Acute toxicity – Category 4

STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2

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

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