



BE SURE. BUILD SURE.

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

Printing date 18.02.2024

Version number 28 (replaces version 27)

Revision: 18.02.2024

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

#### 1.1 Product identifier

Trade name **Mycoflex 450 VE - Komponente A**

#### 1.2 Relevant identified uses of the substance or mixture and uses advised against

No further relevant information available.

#### 1.3 Application of the substance / the mixture

Polyurethane-sealant

#### 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](mailto:info@mc-bauchemie.de)

MC-Bauchemie AG  
Hagackerstr. 10  
CH-8953 Dietikon  
Tel.: +44-7400510  
Fax : +44-7400533

##### Informing department:

[msds@mc-bauchemie.de](mailto: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

Skin Sens. 1 H317 May cause an allergic skin reaction.

STOT RE 1 H372 Causes damage to the lung through prolonged or repeated exposure. Route of exposure: Inhalation.

#### 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

GHS08

##### Signal word

Danger

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- **Hazard-determining components of labelling:** *crystalline silica*  
*Reaction mass of Decanedioic acid, bis(1,2,2,6,6-pentamethyl-4-piperidiny) ester and decanedioic acid,(1,2,2,6,6-pentamethyl-4-piperidiny) methyl ester*
- **Hazard statements** *H317 May cause an allergic skin reaction.*  
*H372 Causes damage to the lung through prolonged or repeated exposure. Route of exposure: Inhalation.*
- **Precautionary statements** *P260 Do not breathe dust/fume/gas/mist/vapours/spray.*  
*P280 Wear protective gloves.*  
*P362+P364 Take off contaminated clothing and wash it before reuse.*  
*P333+P313 If skin irritation or rash occurs: Get medical advice/attention.*  
*P321 Specific treatment (see on this label).*  
*P501 Dispose of contents/container in accordance with local/regional/national/international regulations.*
- **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: 14808-60-7	<i>crystalline silica</i> <i>STOT RE 1, H372</i>	<i>10-30%</i>
CAS: 103-83-3	<i>Bicine</i> <i>Flam. Liq. 3, H226; Acute Tox. 3, H301; Acute Tox. 3, H331; Skin Corr. 1B, H314; Eye Dam. 1, H318; Aquatic Chronic 2, H411; Acute Tox. 4, H312</i>	<i>≥0.25-&lt;1%</i>
EC number: 915-687-0 Reg.nr.: 01-2119491304-40-XXXX	<i>Reaction mass of Decanedioic acid, bis(1,2,2,6,6-pentamethyl-4-piperidiny) ester and decanedioic acid,(1,2,2,6,6-pentamethyl-4-piperidiny) methyl ester</i> <i>Repr. 2, H361; Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Skin Sens. 1A, H317</i>	<i>≥0.1-&lt;0.25%</i>

**SECTION 4: First aid measures**

- **4.1 Description of first aid measures**
- **General information** *No special measures required.*
- **After inhalation** *Void*
- **After skin contact** *The product is not skin irritating.*

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- **After eye contact**
- **After swallowing**

Rinse opened eye for several minutes under running water.  
Rinse out mouth and then drink plenty of water.  
Seek medical treatment.

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### SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents** Use fire fighting measures that suit the environment.
- **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).
- **6.4 Reference to other sections** No dangerous materials are released.

### 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.
- **Storage class** 6.1C

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#### 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.*

· **DNELs**

**CAS: 103-83-3 Bicine**

Dermal	DNEL	23 mg/kg bw/day (ArL)
Inhalative	DNEL	14.6 mg/m <sup>3</sup> (ArL)

· **PNECs**

**CAS: 103-83-3 Bicine**

PNEC	543 mg/l (Kla)
	0.00048 mg/l (Mew)
	0.0048 mg/l (Freshwater)
PNEC	0.0114 mg/kg dwt (Bod)
	0.0071 mg/kg dwt (Marine water sediment)
	0.071 mg/kg dwt (Fresh water sediment)

- **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.*
- **Individual protection measures, such as personal protective equipment**
- **General protective and hygienic measures** *The usual precautionary measures should be adhered to in handling the chemicals.*
- **Breathing equipment:** *Not required.*
- **Hand protection** *Not required.*
- **Material of gloves** *-*
- **Penetration time of glove material** *-*
- **Eye/face protection** *Not required.*

#### SECTION 9: Physical and chemical properties

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

· **General Information**

- **Colour:** *Black*
- **Smell:** *Characteristic*
- **Melting point/freezing point:** *Not determined*
- **Boiling point or initial boiling point and boiling range** *110 °C (Polyester polyol)*

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· <b>Flash point:</b>	218 °C
· <b>pH</b>	Not determined.
· <b>Viscosity:</b>	
· <b>Kinematic viscosity</b>	Not determined.
· <b>dynamic at 20 °C:</b>	11000 mPas
· <b>Solubility</b>	
· <b>Water:</b>	Not miscible or difficult to mix
· <b>Steam pressure at 1732 °C:</b>	13.5 hPa (CAS: 14808-60-7 Quartz (SiO <sub>2</sub> ))
· <b>Density and/or relative density</b>	
· <b>Density at 20 °C</b>	1.51 g/cm <sup>3</sup>

· **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.

· **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.

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- **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: 103-83-3 Bicine

Oral	LD50	579 mg/kg (rat)
	NOAEL	150 mg/kg (rat)
Dermal	LD50	1477 mg/kg (rabbit)
Inhalative	LC50/4 h	2.052 mg/l (rat)

- **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
- **Respiratory or skin sensitisation** May cause an allergic skin reaction.
- **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** Causes damage to the lung through prolonged or repeated exposure. Route of exposure: Inhalation.
- **Aspiration hazard** Based on available data, the classification criteria are not met.
- **11.2 Information on other hazards**

· **Endocrine disrupting properties**

None of the ingredients is listed.

#### SECTION 12: Ecological information

· **12.1 Toxicity**

· **Aquatic toxicity:**

CAS: 103-83-3 Bicine

LC50/96h	37.8 mg/l (Pimephales promelas)
EC50	749.6 mg/l (Pseudomonas putida)
EC50/48h	>100 mg/l (Daphnia magna)
NOEC	0.24 mg/l (algae)
	0.789 mg/l (Daphnia magna)
ErC50/72h	1.34 mg/l (Desmodemus subspicatus)

- **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** *The product does not contain substances with endocrine disrupting properties.*
- **12.7 Other adverse effects**
- **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.*

#### 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:** *Dispose of packaging according to regulations on the disposal of packagings.  
Empty contaminated packagings thoroughly. They can be recycled after thorough and proper cleaning.*

#### SECTION 14: Transport information

- |   |                        |
|---|------------------------|
| · <b>14.1 UN number or ID number</b>                                  |                        |
| · <b>ADR, ADN, IMDG, IATA</b>   | Void                   |
| · <b>14.2 UN proper shipping name</b>                                 |                        |
| · <b>ADR, ADN, IMDG, IATA</b>   | Void                   |
| · <b>14.3 Transport hazard class(es)</b>                              |                        |
| · <b>ADR, ADN, IMDG, IATA</b>   |                        |
| · <b>Class</b>  | Void                   |
| · <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>                            | <i>Not applicable.</i> |
| · <b>14.7 Maritime transport in bulk according to IMO instruments</b> | <i>Not applicable.</i> |

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

#### **SECTION 15: Regulatory information**

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture** *No further relevant information available.*
- **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.*

· **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**
  - H226 Flammable liquid and vapour.*
  - H301 Toxic if swallowed.*
  - H312 Harmful in contact with skin.*
  - H314 Causes severe skin burns and eye damage.*
  - H317 May cause an allergic skin reaction.*
  - H318 Causes serious eye damage.*
  - H331 Toxic if inhaled.*
  - H361 Suspected of damaging fertility or the unborn child.*
  - H372 Causes damage to organs through prolonged or repeated exposure.*
  - H400 Very toxic to aquatic life.*
  - H410 Very toxic to aquatic life with long lasting effects.*
  - H411 Toxic to aquatic life with long lasting effects.*

· **Department issuing data specification sheet:**

*Environment protection department.*

· **Abbreviations and acronyms:**

*RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)*

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ICAO: International Civil Aviation Organisation

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 (UK REACH)

PNEC: Predicted No-Effect Concentration (UK REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Flam. Liq. 3: Flammable liquids – Category 3

Acute Tox. 3: Acute toxicity – Category 3

Acute Tox. 4: Acute toxicity – Category 4

Skin Corr. 1B: Skin corrosion/irritation – Category 1B

Eye Dam. 1: Serious eye damage/eye irritation – Category 1

Skin Sens. 1: Skin sensitisation – Category 1

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

Repr. 2: Reproductive toxicity – Category 2

STOT RE 1: Specific target organ toxicity (repeated exposure) – Category 1

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 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2

· \* Data compared to the previous version altered.

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