



BE SURE. BUILD SURE.

Page 1/10

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

Printing date 24.02.2024

Version number 34 (replaces version 33)

Revision: 24.02.2024

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

· 1.1 Product identifier

· Trade name **Mycoflex 4000 SP - Komponente B**

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

No further relevant information available.

· Application of the substance / the mixture

Polysulfide-Sealant
Hardening agent/ Curing agent

· 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

Acute Tox. 4 H302 Harmful if swallowed.

Acute Tox. 4 H332 Harmful if inhaled.

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

Lact. H362 May cause harm to breast-fed children.

STOT RE 2 H373 May cause damage to the brain through prolonged or repeated exposure.
Route of exposure: Inhalation.

Aquatic Acute 1 H400 Very toxic to aquatic life.

Aquatic Chronic 1 H410 Very toxic 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.

(Contd. on page 2)

GB



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Trade name Mycoflex 4000 SP - Komponente B

(Contd. of page 1)

Hazard pictograms



GHS07 GHS08 GHS09

Signal word

Warning

Hazard-determining components of labelling:

Manganese dioxide
thiram

Hazard statements

H302 Harmful if swallowed.
H332 Harmful if inhaled.
H317 May cause an allergic skin reaction.
H362 May cause harm to breast-fed children.
H373 May cause damage to the brain through prolonged or repeated exposure. Route of exposure: Inhalation.
H410 Very toxic to aquatic life with long lasting effects.

Precautionary statements

P260 Do not breathe dusts or mists.
P263 Avoid contact during pregnancy and while nursing.
P280 Wear protective gloves.
P301+P312 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.
P330 Rinse mouth.
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

Additional information:

EUH066 Repeated exposure may cause skin dryness or cracking.

2.3 Other hazards

Results of PBT and vPvB assessment

PBT:

CAS: 85535-85-9 chloroalkanes (C=14-17)

vPvB:

CAS: 85535-85-9 chloroalkanes (C=14-17)

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Description:

Mixture consisting of the following components.

Dangerous components:

CAS: 85535-85-9	chloroalkanes (C=14-17) Aquatic Acute 1, H400 (M=100); Aquatic Chronic 1, H410 (M=10); Lact., H362, EUH066 PBT; vPvB	50-70%
CAS: 1313-13-9 EINECS: 215-202-6 Reg.nr.: 01-2119452801-43-XXXX	Manganese dioxide STOT RE 2, H373; Acute Tox. 4, H302; Acute Tox. 4, H332	10-30%

(Contd. on page 3)



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Trade name Mycoflex 4000 SP - Komponente B

(Contd. of page 2)

CAS: 137-26-8 EINECS: 205-286-2 Reg.nr.: 01-2119492301-45	thiram STOT RE 2, H373; Aquatic Acute 1, H400 (M=10); Aquatic Chronic 1, H410 (M=10); Acute Tox. 4, H302; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317	≥1-<1.5%
CAS: 102-06-7 EINECS: 203-002-1	1,3-diphenylguanidine Repr. 2, H361f; Aquatic Chronic 2, H411; Acute Tox. 4, H302; Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335	≥0.25-<1%

· **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** Void
- **After skin contact** The product is not skin irritating.
- **After eye contact** Rinse opened eye for several minutes under running water. If symptoms persist, consult doctor.
- **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.
- **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 4)



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Version number 34 (replaces version 33)

Revision: 24.02.2024

Trade name Mycoflex 4000 SP - Komponente B

(Contd. of page 3)

· **6.4 Reference to other sections**

No dangerous materials are released.

SECTION 7: Handling and storage

· **7.1 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.

· **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**

10

SECTION 8: Exposure controls/personal protection

· **8.1 Control parameters**

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

CAS: 1313-13-9 Manganese dioxide

WEL Long-term value: 0.2* 0.05** mg/m³
as Mn *inhalable fraction **respirable fraction

· **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:**

Respiratory protection is required at inadequately ventilated workplaces and during spray processing. Fresh air masks or combination filters A2-P2 are recommended for short-term work. In case of hypersensitivity of the respiratory tract and skin (asthma, chronic bronchitis, chronic skin conditions) handling the product is not recommended.

· **Hand protection**

Protective gloves.

· **Material of gloves**

Nitrile rubber, NBR

· **Penetration time of glove material**

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

(Contd. on page 5)



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Version number 34 (replaces version 33)

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Trade name **Mycoflex 4000 SP - Komponente B**

(Contd. of page 4)

- **Eye/face protection** *Not required.*
- **Body protection:** *Protective work clothing.*

SECTION 9: Physical and chemical properties

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

· **General Information**

- **Colour:** *Dark brown*
- **Smell:** *Characteristic*
- **Melting point/freezing point:** *Not determined*
- **Boiling point or initial boiling point and boiling range** *Not determined*
- **Flash point:** *201 °C*
- **pH** *Not determined.*
- **Viscosity:**
- **Kinematic viscosity** *Not determined.*
- **dynamic at 20 °C:** *3000000 mPas*
- **Solubility**
- **Water:** *Not miscible or difficult to mix*
- **Steam pressure:** *Not determined.*
- **Density and/or relative density**
- **Density at 20 °C** *1.59 g/cm³*

· **9.2 Other information**

- **Appearance:**
- **Form:** *Viscous*
- **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*

(Contd. on page 6)



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Version number 34 (replaces version 33)

Revision: 24.02.2024

Trade name Mycoflex 4000 SP - Komponente B

(Contd. of page 5)

- **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.
- **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** Harmful if swallowed.
Harmful if inhaled.

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

CAS: 137-26-8 thiram

Oral	LD50	1800 mg/kg (rat)
	NOAEL	3.5 mg/kg (rat)
Dermal	LD50	2000 mg/kg (rabbit)
Inhalative	LC50/4 h	3.464 mg/l (rat)

CAS: 102-06-7 1,3-diphenylguanidine

Oral	LD50	107 mg/kg (rat)
Dermal	LD50	>2000 mg/kg (kan)

- **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** May cause harm to breast-fed children.
- **STOT-single exposure** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure** May cause damage to the brain through prolonged or repeated exposure. Route of exposure: Inhalation.
- **Aspiration hazard** Based on available data, the classification criteria are not met.

(Contd. on page 7)



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Version number 34 (replaces version 33)

Revision: 24.02.2024

Trade name Mycoflex 4000 SP - Komponente B

(Contd. of page 6)

· **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: 137-26-8 thiram

EC50/72h 0.065 mg/l (algae)

LC50/96h 0.046 mg/l (Oncorhynchus mykiss)

EC50/48h 0.38 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:**

CAS: 85535-85-9 chloroalkanes (C=14-17)

· **vPvB:**

CAS: 85535-85-9 chloroalkanes (C=14-17)

· **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:**

Danger to drinking water if even extremely 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:**

Empty contaminated packagings thoroughly. They can be recycled after thorough and proper cleaning.

GB

(Contd. on page 8)



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Revision: 24.02.2024

Trade name Mycoflex 4000 SP - Komponente B

(Contd. of page 7)

SECTION 14: Transport information

· 14.1 UN number or ID number · ADR, IMDG, IATA	UN3082
· 14.2 UN proper shipping name · ADR, IATA · IMDG	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (chloroalkanes (C=14-17)) ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (chloroalkanes (C=14-17), thiram), MARINE POLLUTANT
· 14.3 Transport hazard class(es) · ADR · Class · Label	9 (M6) Miscellaneous dangerous substances and articles. 9
· IMDG, IATA · Class · Label	9 Miscellaneous dangerous substances and articles. 9
· 14.4 Packing group · ADR, IMDG, IATA	III
· 14.5 Environmental hazards: · Marine pollutant: · Special marking (ADR): · Special marking (IATA):	Yes Symbol (fish and tree) Symbol (fish and tree) Symbol (fish and tree)
· 14.6 Special precautions for user · Kemler Number: · EMS Number: · Stowage Category	Warning: Miscellaneous dangerous substances and articles. 90 F-A, S-F A
· 14.7 Maritime transport in bulk according to IMO instruments	Not applicable.
· Transport/Additional information: · ADR · Limited quantities (LQ) · Excepted quantities (EQ) · Transport category · Tunnel restriction code	 5L Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml 3 (-)

(Contd. on page 9)



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Trade name Mycoflex 4000 SP - Komponente B

(Contd. of page 8)

- **IMDG**
- **Limited quantities (LQ)** 5L
- **Excepted quantities (EQ)** Code: E1
Maximum net quantity per inner packaging: 30 ml
Maximum net quantity per outer packaging: 1000 ml
- **UN "Model Regulation":** UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CHLOROALKANES (C=14-17)), 9, III

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.

· **Reportable explosives precursors**

None of the ingredients is listed.

· **Reportable poisons**

CAS: 1310-73-2	sodium hydroxide	12% of total caustic alkalinity
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· **Directive 2012/18/EU**

· **Qualifying quantity (tonnes) for the application of lower-tier requirements** 100 t

· **Qualifying quantity (tonnes) for the application of upper-tier requirements** 200 t

· **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.
 - H315 Causes skin irritation.
 - H317 May cause an allergic skin reaction.
 - H319 Causes serious eye irritation.
 - H332 Harmful if inhaled.

(Contd. on page 10)



BE SURE. BUILD SURE.

Page 10/10

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

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Trade name Mycoflex 4000 SP - Komponente B

(Contd. of page 9)

H335 May cause respiratory irritation.
H361f Suspected of damaging fertility.
H362 May cause harm to breast-fed children.
H373 May cause 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.
EUH066 Repeated exposure may cause skin dryness or cracking.

· **Department issuing data specification sheet:**

· **Abbreviations and acronyms:**

Environment protection department.

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

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)

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 – Category 4

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

Skin Sens. 1: Skin sensitisation – Category 1

Lact.: Reproductive toxicity – effects on or via lactation

Repr. 2: Reproductive toxicity – Category 2

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

STOT RE 2: Specific target organ toxicity (repeated exposure) – 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 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2

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

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