



BE SURE. BUILD SURE.

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

Printing date 24.02.2024

Version number 34




Revision: 24.02.2024

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

- **Product identifier**
- **Trade name** Mycoflex 4000 SP - Komponente B
- **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*
- **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 Hazards identification

- **Classification of the substance or mixture**
 - Acute Tox. 4 H302 Harmful if swallowed.*
 - Acute Tox. 4 H332 Harmful if inhaled.*
 - Skin Corr. 3 H316 Causes mild skin irritation.*
 - 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.*
- **Label elements**
- **GHS label elements** *The product is classified and labelled according to the Globally Harmonised System (GHS).*
- **Hazard pictograms**
 -  GHS07
 -  GHS08
 -  GHS09
- **Signal word** *Warning*

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- **Hazard-determining components of labelling:** Manganese dioxide
thiram
1,3-diphenylguanidine
- **Hazard statements** Harmful if swallowed.
Harmful if inhaled.
Causes mild skin irritation.
May cause an allergic skin reaction.
May cause harm to breast-fed children.
May cause damage to the brain through prolonged or repeated exposure. Route of exposure: Inhalation.
Very toxic to aquatic life with long lasting effects.
- **Precautionary statements** Do not breathe dusts or mists.
Avoid contact during pregnancy/while nursing.
Wear protective gloves.
IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.
Rinse mouth.
IF INHALED: Remove person to fresh air and keep comfortable for breathing.

· **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)

3 Composition/information on ingredients

· **Chemical characterisation: Mixtures**

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

· **Dangerous components:**

CAS: 85535-85-9	chloroalkanes (C=14-17) Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Lact., H362 PBT; vPvB	50-70%
CAS: 1313-13-9	Manganese dioxide STOT RE 2, H373; Acute Tox. 4, H302; Acute Tox. 4, H332	10-30%
CAS: 112945-52-5	Siliciumdioxid Acute Tox. 5, H313	<10%
CAS: 471-34-1	Calcium carbonate Acute Tox. 5, H303	<5%
CAS: 137-26-8	thiram STOT RE 2, H373; Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Acute Tox. 4, H302; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317	≥1-<1.5%

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CAS: 102-06-7	1,3-diphenylguanidine	(Contd. of page 2) ≥0.25-<1%
	Acute Tox. 3, H301; Repr. 2, H361; Aquatic Chronic 2, H411; Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335; Acute Tox. 5, H313	
· SVHC		
CAS: 85535-85-9	chloroalkanes (C=14-17)	
· 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** 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.

5 Firefighting measures

- **Extinguishing media**
- **Suitable extinguishing agents** Use fire fighting measures that suit the environment.
- **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** No dangerous materials are released.

7 Handling and storage

- **Handling**
- **Precautions for safe handling** Ensure good ventilation/exhaustion at the workplace. Prevent formation of aerosols.

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- **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** 10

8 Exposure controls/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:**

CAS: 1313-13-9 Manganese dioxide

PEL (USA)	Ceiling limit: 5 mg/m ³ as Mn
REL (USA)	Short-term value: 3 mg/m ³ Long-term value: 1 mg/m ³ as Mn
TLV (USA)	Long-term value: 0.02* 0.1** mg/m ³ as Mn; A4, *respirable **inhalable fraction
IOELV (European Union)	Long-term value: 0.2* 0.05** mg/m ³ as Mn; *inhalable, **respirable fraction
WEL (Great Britain)	Long-term value: 0.2* 0.05** mg/m ³ as Mn *inhalable fraction **respirable fraction

· **DNELs**

CAS: 112945-52-5 Siliciumdioxid

Inhalative DNEL 4 mg/m³ (ArL)

CAS: 471-34-1 Calcium carbonate

Inhalative DNEL 4.26 mg/m³ (ArL)

· **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:** 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.

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In case of hypersensitivity of the respiratory tract and skin (asthma, chronic bronchitis, chronic skin conditions) handling the product is not recommended.

- **Protection of hands:**
- **Material of gloves**
- **Penetration time of glove material**

*Protective gloves.
Nitrile rubber, NBR*

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

- **Eye protection:**
- **Body protection:**

*Not required.
Protective work clothing.*

9 Physical and chemical properties

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

- **General Information**

- **Appearance:**

Form:	Viscous
Colour:	Dark brown
Smell:	Characteristic

- **pH-value:** Not determined.

- **Change in condition**

Melting point/freezing point:	Not determined
Initial boiling point and boiling range:	Not determined

- **Flash point:** 201 °C

- **Self-inflammability:** Product is not selfigniting.

- **Explosive properties:** Product is not explosive.

- **Steam pressure:** Not determined.

- **Density at 20 °C** 1.59 g/cm³

- **Solubility in / Miscibility with**

Water:	Not miscible or difficult to mix
---------------	----------------------------------

- **Viscosity:**

dynamic at 20 °C:	3000000 mPas
kinematic:	Not determined.

- **Other information**

No further relevant information available.

10 Stability and reactivity

- **Reactivity** No further relevant information available.

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- **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: 112945-52-5 Siliciumdioxid

Oral	LD50	>5000 mg/kg (rat)
Dermal	LD50	>2000 mg/kg (rabbit)

CAS: 471-34-1 Calcium carbonate

Oral	LD50	>2000 mg/kg (rat)
------	------	-------------------

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)

- **Primary irritant effect:**
- **Serious eye damage/irritation** No irritant effect.
- **Respiratory or skin sensitisation** Sensitization possible by skin contact.
- **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:
Harmful
Irritant
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)** Lact.



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12 Ecological information

· **Toxicity**

· **Aquatic toxicity:**

CAS: 112945-52-5 Siliciumdioxid

Sensitisation	EL50	10000 mg/l (Daphnien)
	EC50/24h	>1000 mg/l (Daphnia magna)
	LC50/96h	>10000 mg/l (Danio rerio)
		>10000 mg/l (Brachydanio rerio)

CAS: 471-34-1 Calcium carbonate

IC50/72h	>1000 mg/l (algae)
LC50/24h	>10 mg/l (fish)
LC50/96h	>1000 mg/l (fish)
EC50/48h	>1000 mg/l (Daphnia magna)

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)

· **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:** Danger to drinking water if even extremely small quantities leak into soil.

· **Results of PBT and vPvB assessment**

· **PBT:**

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

· **vPvB:**

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

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

13 Disposal considerations

· **Waste treatment methods**

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

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· **Uncleaned packagings:**

· **Recommendation:**

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

14 Transport information

· **UN-Number**

· **ADR, IMDG, IATA**

UN3082

· **UN proper shipping name**

· **ADR, IATA**

ENVIRONMENTALLY HAZARDOUS SUBSTANCE,
LIQUID, N.O.S. (chloroalkanes (C=14-17))

· **IMDG**

ENVIRONMENTALLY HAZARDOUS SUBSTANCE,
LIQUID, N.O.S. (chloroalkanes (C=14-17), thiram),
MARINE POLLUTANT

· **Transport hazard class(es)**

· **ADR**

· **Class**

9 (M6) Miscellaneous dangerous substances and articles.

· **Label**

9

· **IMDG, IATA**

· **Class**

9 Miscellaneous dangerous substances and articles.

· **Label**

9

· **Packing group**

· **ADR, IMDG, IATA**

III

· **Environmental hazards:**

· **Marine pollutant:**

Yes

Symbol (fish and tree)

· **Special marking (ADR):**

Symbol (fish and tree)

· **Special marking (IATA):**

Symbol (fish and tree)

· **Special precautions for user**

Warning: Miscellaneous dangerous substances and articles.

· **Kemler Number:**

90

· **EMS Number:**

F-A,S-F

· **Stowage Category**

A

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

Not applicable.

· **Transport/Additional information:**

· **ADR**

· **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

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· Transport category	3
· Tunnel restriction code	(-)
<hr/>	
· 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

15 Regulatory information

- **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.
- **Seveso category** E1 Hazardous to the Aquatic Environment
- **Qualifying quantity (tonnes) for the application of lower-tier requirements** 100 t
- **Qualifying quantity (tonnes) for the application of upper-tier requirements** 200 t
- **National regulations**
- **Other regulations, limitations and prohibitive regulations**

· **Substances of very high concern (SVHC) according to REACH, Article 57**

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

- **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:** 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)

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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)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
SVHC: Substances of Very High Concern
vPvB: very Persistent and very Bioaccumulative
Acute Tox. 3: Acute toxicity – Category 3
Acute Tox. 4: Acute toxicity – Category 4
Acute Tox. 5: Acute toxicity – Category 5
Skin Irrit. 2: Skin corrosion/irritation – Category 2
Skin Corr. 3: Skin corrosion/irritation – Category 3
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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