



BE SURE. BUILD SURE.

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Safety data sheet according to Regulation (EC) No 1907/2006, Article 31

Printing date 15.03.2024

Version number 33



Revision: 15.03.2024

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

- **Product identifier**
- **Trade name** Mycoflex 4000 SP - Komponente A
- **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*
- **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. 5 H333 May be harmful if inhaled.*
 - Carc. 2 H351 Suspected of causing cancer. Route of exposure: Inhalation.*
 - Lact. H362 May cause harm to breast-fed children.*
 - 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**
 -  
 - GHS08 GHS09
- **Signal word** *Warning*
- **Hazard-determining components of labelling:** *titanium dioxide*
- **Hazard statements** *May be harmful if inhaled.
Suspected of causing cancer. Route of exposure: Inhalation.
May cause harm to breast-fed children.
Very toxic to aquatic life with long lasting effects.*
- **Precautionary statements** *Do not breathe dusts or mists.*

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Avoid contact during pregnancy/while nursing.
Avoid release to the environment.
Wear protective gloves/protective clothing/eye protection/face protection.
IF INHALED: Call a POISON CENTER/doctor if you feel unwell.
Store locked up.

- **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: 68611-50-7	propane, 1,2,3-trichloro-, polymer with 1,1'-[methylenebis(oxy)]bis[2-chloroethane] and sodium sulfide (Na ₂ (Sx)), reduced Aquatic Chronic 3, H412	30-60%
CAS: 85535-85-9	chloroalkanes (C=14-17) Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Lact., H362 PBT; vPvB	10-30%
CAS: 471-34-1	Calcium carbonate Acute Tox. 5, H303	10-30%
CAS: 13463-67-7	titanium dioxide Carc. 2, H351; Acute Tox. 5, H333	≥1-<10%
CAS: 1317-65-3	Calcium carbonate Acute Tox. 5, H303; Acute Tox. 5, H313	<10%
CAS: 112945-52-5	Siliciumdioxid Acute Tox. 5, H313	<5%

· **SVHC**

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

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.

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· **After swallowing**

Rinse out mouth and then drink plenty of water.
Seek medical treatment.

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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:** Collect mechanically.
- **Reference to other sections** No dangerous materials are released.

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/personal protection

- **Additional information about design of technical systems:** No further data; see section 7.

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· **Control parameters**

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

CAS: 1317-65-3 Calcium carbonate

WEL (Great Britain) Long-term value: 10* 4** mg/m³
*inhalable dust; **respirable

· **DNELs**

CAS: 471-34-1 Calcium carbonate

Inhalative DNEL 4.26 mg/m³ (ArL)

CAS: 1317-65-3 Calcium carbonate

Oral DNEL 6.1 mg/kg bw/Tag (ArL)

Inhalative DNEL 10 mg/m³ (ArL)

CAS: 112945-52-5 Siliciumdioxid

Inhalative DNEL 4 mg/m³ (ArL)

· **PNECs**

CAS: 1317-65-3 Calcium carbonate

PNEC 100 mg/l (Sewage Treatment Plant)

· **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:**

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

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. Breathing protection recommended.

· **Protection of hands:**

Conditionally suitable materials for protective gloves; EN 374-3: Nitrile rubber - NBR: Thickness ≥ 0.35mm.

Only suitable for splash protection. Only suitable for short-term exposure. In case of contamination, the protective gloves must be changed immediately.

Protective gloves.

Nitrile rubber, NBR

· **Material of gloves**

· **Penetration time of glove material**

-

· **Eye protection:**

Not required.

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9 Physical and chemical properties

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

· **General Information**

· **Appearance:**

· Form:	Pasty
· Colour:	According to product specification
· Smell:	Sulphurous

· **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

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

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

· **Steam pressure:** Not determined.

· **Density at 20 °C** 1.47 g/cm³

· **Solubility in / Miscibility with**

· **Water:** Not miscible or difficult to mix

· **Viscosity:**

· dynamic at 20 °C:	1250000 mPas
· kinematic:	Not determined.

· **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

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11 Toxicological information

- Information on toxicological effects
- Acute toxicity

· LD/LC50 values that are relevant for classification:

CAS: 68611-50-7 propane, 1,2,3-trichloro-, polymer with 1,1'-[methylenebis(oxy)]bis[2-chloroethane] and sodium sulfide (Na₂(Sx)), reduced

Oral	LD50	>5000 mg/kg (rat)
------	------	-------------------

Dermal	LD50	>7800 mg/kg (rat)
--------	------	-------------------

CAS: 471-34-1 Calcium carbonate

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

CAS: 13463-67-7 titanium dioxide

Oral	LD50	>5000 mg/kg (rat)
------	------	-------------------

Dermal	LD50	>10000 mg/kg (rabbit)
--------	------	-----------------------

Inhalative	LC50/4 h	>6.8 mg/l (rat)
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CAS: 1317-65-3 Calcium carbonate

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

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

CAS: 112945-52-5 Siliciumdioxid

Oral	LD50	>5000 mg/kg (rat)
------	------	-------------------

Dermal	LD50	>2000 mg/kg (rabbit)
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· **Primary irritant effect:**

· **Serious eye damage/irritation** No irritant effect.

· **Respiratory or skin sensitisation**

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.

· **CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)**

Carc. 2, Lact.

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12 Ecological information

· **Toxicity**

· **Aquatic toxicity:**

CAS: 68611-50-7 propane, 1,2,3-trichloro-, polymer with 1,1'-[methylenebis(oxy)]bis[2-chloroethane] and sodium sulfide (Na₂(Sx)), reduced

LC50/96h	>1000 mg/l (Leucidus idus)
EC50/48h	>20 mg/l (Daphnia magna)

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: 1317-65-3 Calcium carbonate

EC50/72h	>14 mg/l (Desmodesmus subspicatus)
LC50/96h	>10000 mg/l (Oncorhynchus mykiss)
LC50/48h	>1000 mg/l (Daphnia magna)
EC50/48h	>1000 mg/l (Daphnia magna)

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)

· **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:**

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.

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13 Disposal considerations

- **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.*

14 Transport information

· UN-Number · ADR, IMDG, IATA	UN3082
· UN proper shipping name · ADR, IATA · IMDG	<i>ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (chloroalkanes (C=14-17)) ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (chloroalkanes (C=14-17)), MARINE POLLUTANT</i>
· Transport hazard class(es) · ADR · Class · Label	<i>9 (M6) Miscellaneous dangerous substances and articles. 9</i>
· IMDG, IATA · Class · Label	<i>9 Miscellaneous dangerous substances and articles. 9</i>
· Packing group · ADR, IMDG, IATA	<i>III</i>
· Environmental hazards: · Marine pollutant: · Special marking (ADR): · Special marking (IATA):	<i>Yes Symbol (fish and tree) Symbol (fish and tree) Symbol (fish and tree)</i>
· Special precautions for user · Kemler Number: · EMS Number: · Stowage Category	<i>Warning: Miscellaneous dangerous substances and articles. 90 F-A,S-F A</i>
· Transport in bulk according to Annex II of Marpol and the IBC Code	<i>Not applicable.</i>

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· Transport/Additional information:	Not dangerous according to the above specifications.
· 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
· Transport category	3
· Tunnel restriction code	(-)
· 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** E2 Hazardous to the Aquatic Environment
- **Qualifying quantity (tonnes) for the application of lower-tier requirements** 200 t
- **Qualifying quantity (tonnes) for the application of upper-tier requirements** 500 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.

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· **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)

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

SVHC: Substances of Very High Concern

vPvB: very Persistent and very Bioaccumulative

Acute Tox. 5: Acute toxicity – Category 5

Carc. 2: Carcinogenicity – Category 2

Lact.: Reproductive toxicity – effects on or via lactation

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 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

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

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