



BE SURE. BUILD SURE.

Page 1/9

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

Printing date 23.10.2021

Version number 5


Revision: 17.10.2021

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

- **Product identifier**
- **Trade name** **MC-Proof 501 flex - Powder - Komponente A**
- **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** 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
- **Emergency telephone number:** Tel.: +49 / (0)700 24112112 (MCR)
Tel.: +48612864565

2 Hazards identification

- **Classification of the substance or mixture**
Acute Tox. 5 H333 May be harmful if inhaled.
Skin Irrit. 2 H315 Causes skin irritation.
Eye Dam. 1 H318 Causes serious eye damage.
- **Label elements**
- **GHS label elements** The product is classified and labelled according to the Globally Harmonised System (GHS).
- **Hazard pictograms**

GHS05
- **Signal word** Danger
- **Hazard-determining components of labelling:** Cement, portland, chemicals
Cr(VI)<2ppm
- **Hazard statements** May be harmful if inhaled.
Causes skin irritation.
Causes serious eye damage.

(Contd. on page 2)

AE



BE SURE. BUILD SURE.

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

Printing date 23.10.2021

Version number 5

Revision: 17.10.2021

Trade name MC-Proof 501 flex - Powder - Komponente A

(Contd. of page 1)

- **Precautionary statements** *Wear protective gloves / eye protection / face protection.
IF INHALED: Call a POISON CENTER/doctor if you feel unwell.
IF IN EYES: Rinse cautiously with water for several minutes.
Remove contact lenses, if present and easy to do. Continue rinsing.
Immediately call a POISON CENTER/doctor.
Specific treatment (see on this label).
Take off contaminated clothing and wash it before reuse.*
- **Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** *Not applicable.*
- **vPvB:** *Not applicable.*

3 Composition/information on ingredients

- **Chemical characterisation: Mixtures**
- **Description:** *Mixture consisting of the following components.*

· **Dangerous components:**

14808-60-7	Quartz (SiO ₂)	70-100%
65997-15-1	Cement, portland, chemicals Cr(VI)<2ppm <i>Eye Dam. 1, H318; Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; STOT SE 3, H335</i>	≥10-<20%
1317-65-3	Calciumcarbonat <i>Acute Tox. 5, H303; Acute Tox. 5, H313</i>	<1.5%
65997-16-2	Tonerdezement (chromatfrei) <i>Acute Tox. 5, H303</i>	<1.5%

- **Additional information** *For the wording of the listed hazard phrases refer to section 16.*

4 First aid measures

- **Description of first aid measures**
- **After inhalation** *In case of unconsciousness bring patient into stable side position for transport.*
- **After skin contact** *Instantly wash with water and soap and rinse thoroughly.*
- **After eye contact** *Rinse opened eye for several minutes under running water. Then consult a doctor.*
- **After swallowing** *In case of persistent symptoms consult doctor.*
- **Information for doctor**
- **Most important symptoms and effects, both acute and delayed** *No further relevant information available.*

(Contd. on page 3)



BE SURE. BUILD SURE.

Page 3/9

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

Printing date 23.10.2021

Version number 5

Revision: 17.10.2021

Trade name **MC-Proof 501 flex - Powder - Komponente A**

(Contd. of page 2)

- **Indication of any immediate medical attention and special treatment needed** No further relevant information available.

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:** Ensure adequate ventilation.
- **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.

7 Handling and storage

- **Handling**
- **Precautions for safe handling** Prevent formation of dust.
- **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:** Keep container tightly sealed.
- **Specific end use(s)** No further relevant information available.

AE

(Contd. on page 4)



BE SURE. BUILD SURE.

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

Printing date 23.10.2021

Version number 5

Revision: 17.10.2021

Trade name MC-Proof 501 flex - Powder - Komponente A

(Contd. of page 3)

8 Exposure controls/personal protection

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

· **Control parameters**

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

14808-60-7 Quartz (SiO₂)

PEL (USA)	Long-term value: 0.05* mg/m ³ *resp. dust; 30mg/m ³ /%SiO ₂ +2
REL (USA)	Long-term value: 0.05* mg/m ³ *respirable dust; See Pocket Guide App. A
TLV (USA)	Long-term value: 0.025* mg/m ³ *respirable particulate matter, A2
BOELV (European Union)	Long-term value: 0.1* mg/m ³ *respirable fraction

65997-15-1 Cement, portland, chemicals Cr(VI)<2ppm

PEL (USA)	Long-term value: 50 mppcf or 15* 5** mg/m ³ *total dust **respirable fraction
REL (USA)	Long-term value: 10* 5** mg/m ³ *total dust **respirable fraction
TLV (USA)	Long-term value: 1* mg/m ³ E; *as respirable fraction, A4
WEL (Great Britain)	Long-term value: 10* 4** mg/m ³ *inhalable dust **respirable dust

· **DNELs**

65997-15-1 Cement, portland, chemicals Cr(VI)<2ppm

Inhalative DNEL 1 mg/m³ (ArL)

1317-65-3 Calciumcarbonat

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

Inhalative DNEL 10 mg/m³ (ArL)

· **PNECs**

1317-65-3 Calciumcarbonat

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**

Keep away from foodstuffs, beverages and food.
Instantly remove any soiled and impregnated garments.
Wash hands during breaks and at the end of the work.
Avoid contact with the skin.

(Contd. on page 5)



BE SURE. BUILD SURE.

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

Printing date 23.10.2021

Version number 5

Revision: 17.10.2021

Trade name MC-Proof 501 flex - Powder - Komponente A

(Contd. of page 4)

- **Breathing equipment:** Avoid contact with the eyes and skin.
Not required.
- **Protection of hands:** Protective gloves.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
After use of gloves apply skin-cleaning agents and skin cosmetics.
- **Material of gloves** The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
- **Penetration time of glove material** The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:** Safety glasses
Tightly sealed safety glasses.
- **Body protection:** Impervious protective clothing
Protective work clothing.

9 Physical and chemical properties

- **Information on basic physical and chemical properties**
- **General Information**
- **Appearance:**
 - **Form:** Solid.
 - **Colour:** Whitish
 - **Smell:** Characteristic
 - **Odour threshold:** Not determined.
- **pH-value:** Not applicable.
- **Change in condition**
 - **Melting point/freezing point:** Not determined
 - **Initial boiling point and boiling range:** 2,230 °C
- **Flash point:** Not applicable
- **Inflammability (solid, gaseous)** Not determined.
- **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 at 1732 °C:** 13.5 hPa

(Contd. on page 6)



BE SURE. BUILD SURE.

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

Printing date 23.10.2021

Version number 5

Revision: 17.10.2021

Trade name MC-Proof 501 flex - Powder - Komponente A

(Contd. of page 5)

· Density at 20 °C	2.72 g/cm ³
· Relative density	Not determined.
· Vapour density	Not applicable.
· Evaporation rate	Not applicable.
· Solubility in / Miscibility with Water:	Soluble
· Partition coefficient: n-octanol/water:	Not determined.
· Viscosity:	
dynamic:	Not applicable.
kinematic:	Not applicable.
· 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

11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity**

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

65997-15-1 Cement, portland, chemicals
Cr(VI)<2ppm

Dermal	LD50	2000 mg/kg (rabbit)
Inhalative	LC50/4 h	5 mg/l (rat)

1317-65-3 Calciumcarbonat

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

65997-16-2 Tonerdezement (chromatfrei)

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

- **Primary irritant effect:**
- **Skin corrosion/irritation** Irritant for skin and mucous membranes.

(Contd. on page 7)



BE SURE. BUILD SURE.

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

Printing date 23.10.2021

Version number 5

Revision: 17.10.2021

Trade name MC-Proof 501 flex - Powder - Komponente A

(Contd. of page 6)

- **Serious eye damage/irritation** Strong irritant with the danger of severe eye injury.
- **Respiratory or skin sensitisation** No sensitizing effect known.
- **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:
Irritant

12 Ecological information

· Toxicity

· Aquatic toxicity:

1317-65-3 Calciumcarbonat

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*)

65997-16-2 Tonerdezement (chromatfrei)

LC50/96h >100 mg/l (*Oncorhynchus mykiss*)

EC50/48h 6.6 mg/l (*Daphnia magna*)

NOEC >100 mg/l (*Oncorhynchus mykiss*)

3.2 mg/l (*Pseudokirchneriella subcapitata*)

1.8 mg/l (*Daphnia magna*)

ErC50/72h 5.6 mg/l (*Pseudokirchneriella subcapitata*)

- **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 undiluted product or large quantities of it to reach ground water, water bodies or sewage system.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **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.

(Contd. on page 8)



BE SURE. BUILD SURE.

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

Printing date 23.10.2021

Version number 5

Revision: 17.10.2021

Trade name MC-Proof 501 flex - Powder - Komponente A

(Contd. of page 7)

- **Uncleaned packagings:**
- **Recommendation:** *Disposal must be made according to official regulations.*
- **Recommended cleaning agent:** *Water, if necessary with cleaning agent.*

14 Transport information

- | | |
|--|-----------------|
| · UN-Number
· ADR, IMDG, IATA | Void |
| · UN proper shipping name
· ADR, IMDG, IATA | Void |
| · Transport hazard class(es)
· ADR, ADN, IMDG, IATA
· Class | Void |
| · Packing group
· ADR, IMDG, IATA | Void |
| · Environmental hazards: | Not applicable. |
| · Special precautions for user | Not applicable. |
| · Transport in bulk according to Annex II of Marpol and the IBC Code | Not applicable. |
| · UN "Model Regulation": | Void |

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.*
- **Chemical safety assessment:** *A Chemical Safety Assessment has not been carried out.*

16 Other information

- **Department issuing data specification sheet:** *Environment protection department.*
- **Contact:**
- **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*

(Contd. on page 9)



BE SURE. BUILD SURE.

Page 9/9

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

Printing date 23.10.2021

Version number 5

Revision: 17.10.2021

Trade name MC-Proof 501 flex - Powder - Komponente A

(Contd. of page 8)

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

Acute Tox. 5: Acute toxicity – Category 5

Acute Tox. 4: Acute toxicity – Category 4

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

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

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

AE