



BE SURE. BUILD SURE.

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

Printing date 08.02.2022

Version number 16


Revision: 08.02.2022

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

- **Product identifier**
- **Trade name** **MC-Proof eco - Powder**
- **Relevant identified uses of the substance or mixture and uses advised against** *No further relevant information available.*
- **Application of the substance / the mixture** *Thickener pulps*
- **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 Corr. 3 H316 Causes mild skin irritation.
Eye Irritation 2A H319 Causes serious eye irritation.*
- **Label elements**
- **GHS label elements** *The product is classified and labelled according to the Globally Harmonised System (GHS).*
- **Hazard pictograms**

GHS07
- **Signal word** *Warning*
- **Hazard-determining components of labelling:** *calcium sulphate, natural
Cement, portland, chemicals
Cr(VI)<2ppm*
- **Hazard statements** *May be harmful if inhaled.
Causes mild skin irritation.
Causes serious eye irritation.*

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- **Precautionary statements**
 - Wash thoroughly after handling.
 - Wear 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.
 - If skin irritation occurs: Get medical advice/attention.
 - If eye irritation persists: Get medical advice/attention.
- **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) | 50-70% |
| 65997-16-2 | Tonerdezement (chromatfrei) Acute Tox. 5, H303 | <25% |
| 7778-18-9 | calcium sulphate, natural Acute Tox. 4, H302; Acute Tox. 4, H332 | <10% |
| 65997-15-1 | Cement, portland, chemicals Cr(VI)<2ppm Eye Dam. 1, H318; Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; STOT SE 3, H335 | ≥1-<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**
- **General information** No special measures required.
- **After inhalation** Supply fresh air; consult doctor in case of symptoms.
- **After skin contact** The product is not skin irritating.
- **After eye contact** Rinse opened eye for several minutes under running water.
- **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.

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· **Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

5 Firefighting measures

- **Extinguishing media**
- **Suitable extinguishing agents** CO₂, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.
- **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.
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** Open and handle container with care.
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:** None.
- **Specific end use(s)** No further relevant information available.

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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 |

7778-18-9 calcium sulphate, natural

| | |
|-----------|---|
| PEL (USA) | Long-term value: 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: 10* mg/m ³ *as inhalable 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**

7778-18-9 calcium sulphate, natural

| | | |
|------------|------|-------------------------------|
| Oral | DNEL | 1.52 mg/kg bw/Tag (ArL) |
| Inhalative | DNEL | 21.17 mg/m ³ (ArL) |

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

| | | |
|------------|------|---------------------------|
| Inhalative | DNEL | 1 mg/m ³ (ArL) |
|------------|------|---------------------------|

· **PNECs**

7778-18-9 calcium sulphate, natural

| | |
|------|----------------|
| PNEC | 100 mg/l (Kla) |
|------|----------------|

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- **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:** *Not required.*
- **Protection of hands:** *Protective gloves.*
- **Material of gloves** *Rubber gloves
Butyl rubber, BR
Nitrile rubber, NBR*
- **Penetration time of glove material** *Penetration: ≥ 480 min*
- **Eye protection:** *Safety glasses*

9 Physical and chemical properties

- **Information on basic physical and chemical properties**
- **General Information**
- **Appearance:**
 - Form:** *Solid.*
 - Colour:** *Grey*
 - 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:** *2230 °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:** *Not applicable.*
- **Density** *Not determined*
- **Relative density** *Not determined.*
- **Vapour density** *Not applicable.*
- **Evaporation rate** *Not applicable.*

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| | |
|--|--|
| · Solubility in / Miscibility with Water: | Unsoluble |
| · 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:**

65997-16-2 Tonerdezement (chromatfrei)

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

7778-18-9 calcium sulphate, natural

| | | |
|------|------|-------------------|
| Oral | LD50 | >1581 mg/kg (rat) |
|------|------|-------------------|

| | | |
|--------|-------|-----------------|
| Dermal | NOAEL | 790 mg/kg (rat) |
|--------|-------|-----------------|

| | | |
|------------|----------|------------------|
| Inhalative | LC50/4 h | >2.61 mg/l (rat) |
|------------|----------|------------------|

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

| | | |
|--------|------|---------------------|
| Dermal | LD50 | 2000 mg/kg (rabbit) |
|--------|------|---------------------|

| | | |
|------------|----------|--------------|
| Inhalative | LC50/4 h | 5 mg/l (rat) |
|------------|----------|--------------|

- **Primary irritant effect:**
- **Serious eye damage/irritation** No irritant effect.
- **Respiratory or skin sensitisation** No sensitizing effect known.

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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.

12 Ecological information

Toxicity

Aquatic toxicity:

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) |

7778-18-9 calcium sulphate, natural

| | |
|----------|--------------------------------------|
| EC50/72h | >79 mg/l (Selenastrum capricornutum) |
| LC50/96h | >79 mg/l (fish) |
| EC50 | >790 mg/l (BEL) |
| EC50/48h | >79 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: 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.

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· **Uncleaned packagings:**

· **Recommendation:**

Disposal must be made according to official regulations.

14 Transport information

· **UN-Number**

· **ADR, ADN, IMDG, IATA**

Void

· **UN proper shipping name**

· **ADR, ADN, IMDG, IATA**

Void

· **Transport hazard class(es)**

· **ADR, ADN, IMDG, IATA**

· **Class**

Void

· **Packing group**

· **ADR, IMDG, IATA**

Void

· **Environmental hazards:**

· **Marine pollutant:**

No

· **Special precautions for user**

Not applicable.

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

Not applicable.

· **Transport/Additional information:**

Not dangerous according to the above specifications.

· **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

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)*

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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

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

Eye Irritation 2A: Serious eye damage/eye irritation – Category 2A

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

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