



BE SURE. BUILD SURE.

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Safety data sheet according to UK REACH

Printing date 21.03.2025

Version number 22 (replaces version 21)

Revision: 21.03.2025

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

· **1.1 Product identifier**

· **Trade name** **Emcekrete WP 108**

· **1.2 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** dry mortar

· **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**

Skin Irrit. 2 H315 Causes skin irritation.

Eye Dam. 1 H318 Causes serious eye damage.

STOT SE 3 H335 May cause respiratory irritation.

· **2.2 Label elements**

· **Labelling according to Regulation (EC) No 1272/2008** The product is classified and labelled according to the GB CLP regulation.

· **Hazard pictograms**



GHS05 GHS07

· **Signal word**

Danger

· **Hazard-determining components of labelling:**

Portland cement (low chromate)
Flue dust, portland cement

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- **Hazard statements**
 - H315 Causes skin irritation.
 - H318 Causes serious eye damage.
 - H335 May cause respiratory irritation.
- **Precautionary statements**
 - P101 If medical advice is needed, have product container or label at hand.
 - P102 Keep out of reach of children.
 - P103 Read carefully and follow all instructions.
 - P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 - P310 Immediately call a POISON CENTER/doctor.
 - P321 Specific treatment (see on this label).
 - P362+P364 Take off contaminated clothing and wash it before reuse.
 - P403+P233 Store in a well-ventilated place. Keep container tightly closed.
 - P501 Dispose of contents/container in accordance with local/regional/national/international regulations.
- **2.3 Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

SECTION 3: Composition/information on ingredients

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

· **Dangerous components:**

| | | |
|--------------------------------------|--|----------|
| CAS: 65997-15-1 EINECS: 266-043-4 | Portland cement (low chromate) Eye Dam. 1, H318; Skin Irrit. 2, H315; STOT SE 3, H335 | ≥20-≤30% |
| CAS: 68475-76-3 EINECS: 270-659-9 | Flue dust, portland cement Eye Dam. 1, H318; Skin Irrit. 2, H315; STOT SE 3, H335 | ≥1-≤2.5% |
| CAS: 1317-65-3 EINECS: 207-439-9 | Calcium carbonate substance with a Community workplace exposure limit | <1.5% |

- **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** For all first aid measures: observe self-protection and consult a doctor!
- **After inhalation** Remove people from the dusty area.
- **After skin contact** Remove heavily soiled clothing. Clean with plenty of soap and water.
- **After eye contact** Rinse for 10 minutes under running water with the eyelids open. Always consult an ophthalmologist!

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· **After swallowing**

Do NOT induce vomiting. Rinse mouth with water. Medical attention required.

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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:** Ensure adequate ventilation.
- **6.4 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.

SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**

Avoid dust formation! Avoid spraying the ready-to-use cementitious product! Avoid contact with eyes and skin! Clean hands thoroughly at the end of work and before every break! Use skin care products! Change heavily soiled clothing! Change clothes at the end of work! Apply greasy skin protection ointment before starting work and after each break. Observe work restrictions!
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage**
- **Requirements to be met by storerooms and containers:**

Store bags tightly closed; protect from moisture and water!
Store containers tightly closed in a well-ventilated and well-lit room.
Access only for specialised personnel.
Do not store in break rooms, recreation rooms or sanitary facilities or in stairwells, corridors, escape and rescue routes, passages, passageways and confined spaces.

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- **Information about storage in one common storage facility:** Combined storage bans apply from a total storage quantity of 200 kg.
Do not store together with substances of the following LGK: 1; 6.2; 7
Storage with substances of the following LGK is only possible under the conditions specified in TRGS 510: 4.1A; 5.1C
- **Further information about storage conditions:** Store in a dry and frost-free place.
- **Storage class** 11

SECTION 8: Exposure controls/personal protection

· 8.1 Control parameters

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

CAS: 65997-15-1 Portland cement (low chromate)

WEL Long-term value: 10* 4** mg/m³
*inhalable dust **respirable dust

CAS: 1317-65-3 Calcium carbonate

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

· DNELs

CAS: 65997-15-1 Portland cement (low chromate)

Inhalative DNEL 1 mg/m³ (ArL)

CAS: 1317-65-3 Calcium carbonate

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

Inhalative DNEL 10 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.

· 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

Do not store food, eat, drink, sniff or smoke in the work area!

Avoid contact with eyes and skin!

Clean hands thoroughly at the end of work and before breaks!

Use skin care products after work (moisturising cream).

Change and clean heavily soiled clothing!

Change clothes at the end of work!

Apply greasy skin protection ointment before starting work and after every break.

· Breathing equipment:

For work with higher dust loads particle filter class P2

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- **Hand protection**
- **Material of gloves**
- **Penetration time of glove material**

Check protective gloves prior to each use for their proper condition.
Nitrile impregnated cotton gloves.

- **Eye/face protection**
- **Body protection:**
- **Skin protection**

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

Safety glasses

Protective work clothing.

Use greasy skin protection ointment for all uncovered parts of the body!

SECTION 9: Physical and chemical properties

· 9.1 Information on basic physical and chemical properties

· General Information

· Physical state

Solid.

· Colour:

Whitish

· Smell:

Odourless

· Odour threshold:

Not determined.

· Melting point/freezing point:

Not determined

· Boiling point or initial boiling point and boiling range

2230 °C (CAS: 14808-60-7 Quartz sand)

· Flammability

Not determined.

· Lower and upper explosion limit

· Lower:

Not determined.

· Upper:

Not determined.

· Flash point:

Not applicable

· Decomposition temperature:

Not determined.

· pH at 20 °C

11

· Viscosity:

· Kinematic viscosity

Not applicable.

· dynamic:

Not applicable.

· Solubility

· Water:

Partly miscible

· Partition coefficient n-octanol/water (log value)

Not determined.

· Steam pressure at 1732 °C:

13.5 hPa (CAS: 14808-60-7 Quartz sand)

· Density and/or relative density

· Density

Not determined

· Relative density

Not determined.

· Vapour density

Not applicable.

· 9.2 Other information

· Appearance:

· Form:

Powder

· Important information on protection of health and environment, and on safety.

· Self-flammability:

Product is not selfigniting.

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- | | |
|---|---|
| <ul style="list-style-type: none"> · Explosive properties: · Change in condition · Evaporation rate | <p>Product is not explosive.</p> <p>Not applicable.</p> |
|---|---|

· **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 |
| · Organic peroxides | Void |
| · Corrosive to metals | Void |
| · Desensitised explosives | Void |

SECTION 10: Stability and reactivity

- | | |
|---|---|
| <ul style="list-style-type: none"> · 10.1 Reactivity · 10.2 Chemical stability · Thermal decomposition / conditions to be avoided: · 10.3 Possibility of hazardous reactions · 10.4 Conditions to avoid · 10.5 Incompatible materials: · 10.6 Hazardous decomposition products: | <p>No further relevant information available.</p> <p>stable</p> <p>No decomposition if used according to specifications.</p> <p>No dangerous reactions known</p> <p>No further relevant information available.</p> <p>No further relevant information available.</p> <p>No dangerous decomposition products known</p> |
|---|---|

SECTION 11: Toxicological information

- **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**
- **Acute toxicity** Based on available data, the classification criteria are not met.

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

CAS: 65997-15-1 Portland cement (low chromate)

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

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| | | |
|---|----------|-------------------|
| Inhalative | LC50/4 h | 5 mg/l (rat) |
| CAS: 1317-65-3 Calcium carbonate | | |
| Oral | LD50 | >2000 mg/kg (rat) |
| Dermal | LD50 | >2000 mg/kg (rat) |
| <ul style="list-style-type: none"> · Primary irritant effect: · Skin corrosion/irritation Causes skin irritation. · Serious eye damage/irritation Causes serious eye damage. · STOT-single exposure May cause respiratory irritation. · 11.2 Information on other hazards | | |
| <ul style="list-style-type: none"> · Endocrine disrupting properties | | |
| None of the ingredients is listed. | | |

SECTION 12: Ecological information

· 12.1 Toxicity

· Aquatic toxicity:

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) |

· 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:

Not applicable.

· vPvB:

Not applicable.

· 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:

Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.

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.

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- **Uncleaned packagings:**
- **Recommendation:** Non contaminated packagings can be used for recycling.
- **Recommended cleaning agent:** Water, if necessary with cleaning agent.

SECTION 14: Transport information

- | | |
|---|-----------------|
| · 14.1 UN number or ID number | Void |
| · ADR, IMDG, IATA | |
| · 14.2 UN proper shipping name | Void |
| · ADR, IMDG, IATA | |
| · 14.3 Transport hazard class(es) | |
| · ADR, ADN, IMDG, IATA | |
| · Class | Void |
| · 14.4 Packing group | |
| · ADR, IMDG, IATA | Void |
| · 14.5 Environmental hazards: | |
| · Marine pollutant: | No |
| · 14.6 Special precautions for user | Not applicable. |
| · 14.7 Maritime transport in bulk according to IMO instruments | Not applicable. |
| · UN "Model Regulation": | Void |

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**
- CAS: 7429-90-5 | aluminium | Listed
- **Reportable poisons**
- None of the ingredients is listed.
- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I**
- None of the ingredients is listed.

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**15.2 Chemical safety
assessment:**

A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

Relevant phrases

H315 Causes skin irritation.
H318 Causes serious eye damage.
H335 May cause respiratory irritation.

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
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)
DNEL: Derived No-Effect Level (UK REACH)
PNEC: Predicted No-Effect Concentration (UK REACH)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
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

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

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