



BE SURE. BUILD SURE.

Page 1/10

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

Printing date 31.12.2022

Version number 10 (replaces version 9)

Revision: 31.12.2022

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

1.1 Product identifier

Trade name **MC-FLOOR SCREED BS**

Article number: 4320

1.2 Relevant identified uses of the substance or mixture and uses advised against

No further relevant information available.

Application of the substance / the mixture

Concrete/Mortar admixtures

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.: +48612864565

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.

Skin Sens. 1 H317 May cause an allergic skin reaction.

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 CLP regulation.

Hazard pictograms



GHS05 GHS07

Signal word

Danger

(Contd. on page 2)



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according to 1907/2006/EC, Article 31

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Version number 10 (replaces version 9)

Revision: 31.12.2022

Trade name MC-FLOOR SCREED BS

(Contd. of page 1)

- **Hazard-determining components of labelling:** Cement, portland, chemicals
Cr(VI)<2ppm
calcium suifoaluminate clinker
- **Hazard statements** Flue dust, portland cement
H315 Causes skin irritation.
H318 Causes serious eye damage.
H317 May cause an allergic skin reaction.
H335 May cause respiratory irritation.
- **Precautionary statements** P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
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.
- **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: 14808-60-7 EINECS: 238-878-4	Quartz (SiO2) substance with a Community workplace exposure limit	25-50%
CAS: 65997-15-1 EINECS: 266-043-4	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	25-50%
EC number: 934-133-9	calcium suifoaluminate clinker Eye Dam. 1, H318; Skin Irrit. 2, H315; Skin Sens. 1, H317; STOT SE 3, H335	≥10-<20%
CAS: 7778-18-9 EINECS: 231-900-3	calcium sulphate, natural Acute Tox. 4, H302; Acute Tox. 4, H332	<5%
CAS: 68475-76-3	Flue dust, portland cement Eye Dam. 1, H318; Skin Irrit. 2, H315; STOT SE 3, H335	≥1-<2.5%

(Contd. on page 3)



BE SURE. BUILD SURE.

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Printing date 31.12.2022

Version number 10 (replaces version 9)

Revision: 31.12.2022

Trade name **MC-FLOOR SCREED BS**

· **Additional information**

For the wording of the listed hazard phrases refer to section 16.

(Contd. of page 2)

SECTION 4: First aid measures

· **4.1 Description of first aid measures**

- **After inhalation** Supply fresh air.
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.
Seek medical treatment.
- **After swallowing** Rinse out mouth and then drink plenty of water.
Seek medical treatment.

· **4.2 Most important symptoms and effects, both acute and delayed**

No further relevant information available.

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

No further relevant information available.

SECTION 5: Firefighting measures

· **5.1 Extinguishing media**

- **Suitable extinguishing agents** CO₂, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.

· **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:**

Collect mechanically.

· **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.



BE SURE. BUILD SURE.

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

Printing date 31.12.2022

Version number 10 (replaces version 9)

Revision: 31.12.2022

Trade name MC-FLOOR SCREED BS

(Contd. of page 3)

SECTION 7: Handling and storage

- **7.1 Precautions for safe handling** Prevent formation of dust.
- **Information about protection against explosions and fires:** No special measures required.
- **7.2 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.
- **7.3 Specific end use(s)** No further relevant information available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Components with critical values that require monitoring at the workplace:

14808-60-7 Quartz (SiO₂)

OEL (Ireland)	Long-term value: 0.1 mg/m ³
BOELV (European Union)	Long-term value: 0.1* mg/m ³ *respirable fraction

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

OEL (Ireland)	Long-term value: 1 mg/m ³ respirable fraction
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7778-18-9 calcium sulphate, natural

OEL (Ireland)	Long-term value: 10 mg/m ³
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DNELs

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

Inhalative	DNEL	1 mg/m ³ (ArL)
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7778-18-9 calcium sulphate, natural

Oral	DNEL	1.52 mg/kg bw/Tag (ArL)
Inhalative	DNEL	21.17 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.

(Contd. on page 5)



BE SURE. BUILD SURE.

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

Printing date 31.12.2022

Version number 10 (replaces version 9)

Revision: 31.12.2022

Trade name MC-FLOOR SCREED BS

(Contd. of page 4)

- **8.2 Exposure controls**
- **Appropriate engineering controls** *No further data; see item 7.*
- **Individual protection measures, such as 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.
Avoid contact with the eyes and skin.*
- **Breathing equipment:** *In case of brief exposure or low pollution use breathing filter apparatus. In case of intensive or longer exposure use breathing apparatus that is independent of circulating air.*
- **Hand protection** *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** *Strong 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/face protection** *Safety glasses
Tightly sealed safety glasses.*
- **Body protection:** *Protective work clothing.*

SECTION 9: Physical and chemical properties

- **9.1 Information on basic physical and chemical properties**
- **General Information**
- **Colour:** *Dark brown*
- **Smell:** *Odourless*
- **Melting point/freezing point:** *Not determined*
- **Boiling point or initial boiling point and boiling range** *Not determined*
- **Flash point:** *Not applicable*
- **Solubility**
- **Water:** *Slightly soluble*
- **Density and/or relative density**
- **Density** *Not determined*
- **Particle characteristics** *See item 3.*

(Contd. on page 6)



BE SURE. BUILD SURE.

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

Printing date 31.12.2022

Version number 10 (replaces version 9)

Revision: 31.12.2022

Trade name MC-FLOOR SCREED BS

(Contd. of page 5)

· **9.2 Other information**

· **Appearance:**

· **Form:**

Powder

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

· **Self-inflammability:**

Product is not selfigniting.

· **Explosive properties:**

Product is not explosive.

· **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

· **10.1 Reactivity**

No further relevant information available.

· **10.2 Chemical stability**

· **Thermal decomposition / conditions to be avoided:**

No decomposition if used according to specifications.

· **10.3 Possibility of hazardous reactions**

No dangerous reactions known

· **10.4 Conditions to avoid**

No further relevant information available.

· **10.5 Incompatible materials:**

No further relevant information available.

· **10.6 Hazardous**

decomposition products:

No dangerous decomposition products known



BE SURE. BUILD SURE.

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

Printing date 31.12.2022

Version number 10 (replaces version 9)

Revision: 31.12.2022

Trade name MC-FLOOR SCREED BS

(Contd. of page 6)

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:**

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

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

- **Skin corrosion/irritation** Causes skin irritation.
- **Serious eye damage/irritation** Causes serious eye damage.
- **Respiratory or skin sensitisation** May cause an allergic skin reaction.
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure** May cause respiratory irritation.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard** Based on available data, the classification criteria are not met.

· **11.2 Information on other hazards**

· **Endocrine disrupting properties**

None of the ingredients is listed.

SECTION 12: Ecological information

· **12.1 Toxicity**

· **Aquatic toxicity:**

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)

- **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.

(Contd. on page 8)



BE SURE. BUILD SURE.

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

Printing date 31.12.2022

Version number 10 (replaces version 9)

Revision: 31.12.2022

Trade name MC-FLOOR SCREED BS

(Contd. of page 7)

- **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.*
- **Uncleaned packagings:**
- **Recommendation:** *Empty contaminated packagings thoroughly. They can be recycled after thorough and proper cleaning.*

SECTION 14: Transport information

- **14.1 UN number or ID number**
- **ADR, ADN, IMDG, IATA** *Void*
- **14.2 UN proper shipping name**
- **ADR, ADN, IMDG, IATA** *Void*
- **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

(Contd. on page 9)



BE SURE. BUILD SURE.

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

Printing date 31.12.2022

Version number 10 (replaces version 9)

Revision: 31.12.2022

Trade name MC-FLOOR SCREED BS

(Contd. of page 8)

· **15.1 Safety, health and environmental regulations/ legislation specific for the substance or mixture** *No further relevant information available.*

· **DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II**

None of the ingredients is listed.

· **REGULATION (EU) 2019/1148**

· **Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))**

None of the ingredients is listed.

· **Annex II - REPORTABLE EXPLOSIVES PRECURSORS**

None of the ingredients is listed.

· **Regulation (EC) No 273/2004 on drug precursors**

None of the ingredients is listed.

· **Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors**

None of the ingredients is listed.

· **15.2 Chemical safety assessment:**

A Chemical Safety Assessment has not been carried out.

SECTION 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.

· **Relevant phrases** *H302 Harmful if swallowed.
H312 Harmful in contact with skin.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H332 Harmful if inhaled.
H335 May cause respiratory irritation.*

· **Department issuing data specification sheet:** *Environment protection department.*

· **Date of previous version:** *19.10.2021*

· **Version number of previous version:** *9*

· **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*

(Contd. on page 10)



BE SURE. BUILD SURE.

Page 10/10

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

Printing date 31.12.2022

Version number 10 (replaces version 9)

Revision: 31.12.2022

Trade name MC-FLOOR SCREED BS

(Contd. of page 9)

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 (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

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

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

Skin Sens. 1: Skin sensitisation – Category 1

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

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

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