



BE SURE. BUILD SURE.

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Safety data sheet according to UK REACH

Printing date 13.04.2025

Version number 29 (replaces version 28)

Revision: 13.04.2025

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

· 1.1 Product identifier

· Trade name **MC-Fast SM**

· Article number: 1819

· 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

Regulated set cement

· 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 The product is not classified, according to the GB CLP regulation.

· 2.2 Label elements

· Labelling according to

Regulation (EC) No 1272/2008 Void

· Hazard pictograms Void

· Signal word Void

· Hazard statements Void

· Additional information: EUH210 Safety data sheet available on request.

· 2.3 Other hazards

· Results of PBT and vPvB assessment

· PBT: Not applicable.

· vPvB: Not applicable.

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SECTION 3: Composition/information on ingredients

3.2 Mixtures

Description:

Mixture consisting of the following components.

Dangerous components:

not applicable

CAS: 554-13-2

EINECS: 209-062-5

Reg.nr.: 01-2119516034-53-0000

Lithium carbonate

Acute Tox. 4, H302; Eye Irrit. 2, H319

<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!

After swallowing

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

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:

Collect mechanically.

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6.4 Reference to other sections

No dangerous materials are released.

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.

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

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SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Components with critical values that require monitoring at the workplace:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

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!

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- **Breathing equipment:**
- **Hand protection**
- **Material of gloves**
- **Penetration time of glove material**
- **Eye/face protection**
- **Body protection:**
- **Skin protection**

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.
For work with higher dust loads particle filter class P2
Check protective gloves prior to each use for their proper condition.
Nitrile impregnated cotton gloves.

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

- **Colour:** Grey
- **Smell:** Odourless
- **Melting point/freezing point:** Not determined
- **Boiling point or initial boiling point and boiling range** 2230 °C (CAS: 14808-60-7 Quartz sand)
- **Flash point:** Not applicable
- **pH** Not applicable.
- **Viscosity:**
- **Kinematic viscosity** Not applicable.
- **dynamic:** Not applicable.
- **Solubility**
- **Water:** Insoluble
- **Steam pressure at 1732 °C:** 13.5 hPa (CAS: 14808-60-7 Quartz sand)
- **Density and/or relative density**
- **Density at 20 °C** 2.99 g/cm³

· 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

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| | |
|--|------|
| · 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

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: 554-13-2 Lithium carbonate

| | | |
|------------|----------|-------------------|
| Oral | LD50 | 525 mg/kg (rat) |
| | NOAEL | 19.23 mg/kg (rat) |
| Dermal | LD50 | >3000 mg/kg (rat) |
| | NOAEL | 64.3 mg/kg (rat) |
| Inhalative | LC50/4 h | >2 mg/l (rat) |

- **Primary irritant effect:**
- **Skin corrosion/irritation** Based on available data, the classification criteria are not met.

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- **Serious eye damage/irritation** Based on available data, the classification criteria are not met.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **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** Based on available data, the classification criteria are not met.
- **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**

CAS: 554-13-2 Lithium carbonate

List III

SECTION 12: Ecological information

· 12.1 Toxicity

· Aquatic toxicity:

CAS: 554-13-2 Lithium carbonate

| | |
|-----------|-------------------------------------|
| LC50/96h | 30.3 mg/l (Oncorhynchus mykiss) |
| EC50 | 278 mg/l (BEL) |
| EC50/48h | 33 mg/l (Daphnia magna) |
| NOEC | 15.25 mg/l (Danio rerio) |
| | 50 mg/l (Desmodesmus subspicatus) |
| | 19.1 mg/l (Oncorhynchus mykiss) |
| | 20 mg/l (Daphnia magna) |
| ErC50/72h | >400 mg/l (Desmodesmus subspicatus) |

· 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

For information on endocrine disrupting properties see section 11.

· 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.

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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.

· **Transport/Additional information:**

Not dangerous according to the above specifications.

· **UN "Model Regulation":**

Void

SECTION 15: Regulatory information

· **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

No further relevant information available.

· **Poisons Act**

· **Regulated explosives precursors**

None of the ingredients is listed.

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· **Regulated poisons**

None of the ingredients is listed.

· **Reportable explosives precursors**

None of the ingredients is listed.

· **Reportable poisons**

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.

H319 Causes serious eye irritation.

· **Department issuing data specification sheet:**

Environment protection department.

· **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)

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

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

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