



BE SURE. BUILD SURE.

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## Safety data sheet according to UK REACH

Printing date 27.02.2026

Version number 5 (replaces version 4)

Revision: 27.02.2026

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

· **1.1 Product identifier**

· **Trade name** **MC-Montan Grout 01**

· **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**

Backfill Grout

· **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  
Siloring 8  
CH-5606 Dintikon  
Tel. +41 56 616 68 68  
Fax +41 56 616 68 69

· **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-determining**

**components of labelling:** Silicic acid, sodium salt

· **Hazard statements** Void

· **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 of the substances listed below with harmless additions.

· **Dangerous components:**

CAS: 1344-09-8	Silicic acid, sodium salt	60%
EINECS: 215-687-4	Eye Dam. 1, H318; Skin Irrit. 2, H315; STOT SE 3, H335	
Reg.nr.: 2119448725-31		

· **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**

- **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. Then consult a doctor.

### 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:** Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Ensure adequate ventilation.
- **6.4 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.

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See Section 13 for information on disposal.

#### SECTION 7: Handling and storage

· **7.1 Precautions for safe handling**

Ensure good ventilation/exhaustion at the workplace.  
Open and handle container with care.  
Store in cool, dry place in tightly closed containers.

· **7.2 Conditions for safe storage, including any incompatibilities**

· **Storage**

· **Further information about storage conditions:**

None.

· **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.

· **DNELs**

**CAS: 1344-09-8 Silicic acid, sodium salt**

Oral	DNEL	0.8 mg/kg bw/Tag (ArL)
Dermal	DNEL	1.59 mg/kg bw/day (ArL)
Inhalative	DNEL	5.61 mg/m <sup>3</sup> (ArL)

· **PNECs**

**CAS: 1344-09-8 Silicic acid, sodium salt**

PNEC	348 mg/l (Kla)
	1 mg/l (Mew)
	7.5 mg/l (Freshwater)

· **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**

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 or when application is performed at confined area with adequate mechanical ventilation

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meeting local authority requirements, use breathing filter apparatus. In case of intensive or longer exposure use breathing apparatus that is independent of circulating air.

- |                                      |              |
|--------------------------------------|--------------|
| · Hand protection                    | Not required |
| · Material of gloves                 | -            |
| · Penetration time of glove material | -            |
| · Eye/face protection                | Not required |

### SECTION 9: Physical and chemical properties

#### · 9.1 Information on basic physical and chemical properties

##### · General Information

- |  |                                  |
|--|----------------------------------|
| · Physical state   | Liquid                           |
| · Colour:  | Whitish                          |
| · Smell:   | Light                            |
| · Odour threshold:   | Not determined                   |
| · Melting point/freezing point:                            | Not determined                   |
| · Boiling point or initial boiling point and boiling range | Not determined                   |
| · Flammability   | Not applicable                   |
| · Lower and upper explosion limit                          |                                  |
| · Lower:   | Not determined                   |
| · Upper:   | Not determined                   |
| · Flash point:   | Not applicable                   |
| · Decomposition temperature:                               | Not determined                   |
| · pH   | Not determined                   |
| · Viscosity:   |                                  |
| · Kinematic viscosity at 20 °C                             | 10 mm <sup>2</sup> /s            |
| · dynamic:   | Not determined                   |
| · Solubility   |                                  |
| · Water:   | Not miscible or difficult to mix |
| · Partition coefficient n-octanol/water (log value)        | Not determined                   |
| · Steam pressure:  | Not determined                   |
| · Density and/or relative density                          |                                  |
| · Density at 20 °C   | 1.3-1.6 g/cm <sup>3</sup>        |
| · Relative density   | Not determined                   |
| · Vapour density   | Not determined                   |

#### · 9.2 Other information

- |   |                              |
|---|------------------------------|
| · Appearance:   |                              |
| · Form:   | Fluid                        |
| · Important information on protection of health and environment, and on safety. |                              |
| · Self-inflammability:  | Product is not selfigniting. |
| · Explosive properties:   | Product is not explosive.    |

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- **Change in condition**
- **Evaporation rate** Not determined

- **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** stable
- **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: 1344-09-8 Silicic acid, sodium salt**

Oral	LD50	3400 mg/kg (rat)
Dermal	LD50	>5000 mg/kg (rat)

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

*None of the ingredients is listed.*

## SECTION 12: Ecological information

· **12.1 Toxicity**

· **Aquatic toxicity:**

**CAS: 1344-09-8 Silicic acid, sodium salt**

EC50/72h >345.4 mg/l (*Desmodesmus subspicatus*)

LC50/96h 1108 mg/l (*Danio rerio*)

260 mg/l (*Oncorhynchus mykiss*)

>100 mg/l (fish)

EC50 >100 mg/l (Bak)

>100 mg/l (algae)

>100 mg/l (*Daphnien*)

>100 mg/l (*Daphnia magna*)

EC50/48h 1700 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.*

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- **12.7 Other adverse effects**
- **Additional ecological information:**
- **General notes:** *Danger to drinking water if even extremely small quantities leak into soil.*

#### 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:** *Disposal must be made according to official regulations.*

#### SECTION 14: Transport information

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

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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.

· **Directive 2012/18/EU**

· **Named dangerous substances - ANNEX I**

None of the ingredients is listed.

· **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.

· **Department issuing data specification sheet:**

Environment protection department.

· **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  
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.**