



BE SURE. BUILD SURE.

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

Printing date 24.02.2024


Version number 27

Revision: 24.02.2024

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

- **Product identifier**
- **Trade name** **EXZELLENT STP 510**
- **Relevant identified uses of the substance or mixture and uses advised against** *No further relevant information available.*
- **Application of the substance / the mixture** *Ready-mixed mortar
dry mortar*
- **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*

2 Hazards identification

- **Classification of the substance or mixture**
*Acute Tox. 5 H303 May be harmful if swallowed.
Acute Tox. 5 H313 May be harmful in contact with skin.
Skin Irrit. 2 H315 Causes skin irritation.
Eye Dam. 1 H318 Causes serious eye damage.*
- **Label elements**
- **GHS label elements** *The product is classified and labelled according to the Globally Harmonised System (GHS).*
- **Hazard pictograms**

GHS05
- **Signal word** *Danger*
- **Hazard-determining components of labelling:** *Portland cement
calcium dihydroxide*
- **Hazard statements** *May be harmful if swallowed.
May be harmful in contact with skin.
Causes skin irritation.
Causes serious eye damage.*

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- **Precautionary statements** *Wear protective gloves / eye protection / face protection.
IF IN EYES: Rinse cautiously with water for several minutes.
Remove contact lenses, if present and easy to do. Continue rinsing.
Immediately call a POISON CENTER/doctor.
Specific treatment (see on this label).
Take off contaminated clothing and wash it before reuse.
If skin irritation occurs: Get medical advice/attention.*
- **Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** *Not applicable.*
- **vPvB:** *Not applicable.*

3 Composition/information on ingredients

- **CAS No. Designation:** *Void*
- **Identification number(s):** *Void*
- **Chemical characterisation: Mixtures**
- **Description:** *Mixture consisting of the following components.*

Dangerous components:

CAS: 1317-65-3	Calcium carbonate Acute Tox. 5, H303; Acute Tox. 5, H313	60-80%
CAS: 65997-15-1	Portland cement Eye Dam. 1, H318; Skin Irrit. 2, H315; STOT SE 3, H335	≥10-<20%
CAS: 1305-62-0	calcium dihydroxide Eye Dam. 1, H318; Skin Irrit. 2, H315; STOT SE 3, H335	≥3-<10%
CAS: 471-34-1	Calcium carbonate Acute Tox. 5, H303	<10%

4 First aid measures

- **Description of first aid measures**
- **General information** *No special measures required.*
- **After inhalation** *Void*
- **After skin contact** *The product is not skin irritating.*
- **After eye contact** *Rinse opened eye for several minutes under running water.*
- **After swallowing** *Rinse out mouth and then drink plenty of water.
In case of persistent symptoms consult doctor.*

5 Firefighting measures

- **Extinguishing media**
- **Suitable extinguishing agents** *Void*
- **Special hazards arising from the substance or mixture** *No further relevant information available.*

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- **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.

7 Handling and storage

- **Handling**
- **Precautions for safe handling** 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.
- **Storage class** 13

8 Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see section 7.
- **Control parameters**

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

CAS: 1317-65-3 Calcium carbonate

WEL (Great Britain)	Long-term value: 10* 4** mg/m ³ *inhalable dust; **respirable
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CAS: 65997-15-1 Portland cement

PEL (USA)	Long-term value: 50 mppcf or 15* 5** mg/m ³ *total dust **respirable fraction
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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

CAS: 1305-62-0 calcium dihydroxide

PEL (USA)	Long-term value: 15* 5** mg/m ³ *total dust **respirable fraction
REL (USA)	Long-term value: 5 mg/m ³
TLV (USA)	Long-term value: 5 mg/m ³
IOELV (European Union)	Short-term value: 4 mg/m ³ Long-term value: 1 mg/m ³ Respirable fraction
WEL (Great Britain)	Short-term value: 4* mg/m ³ Long-term value: 5 1* mg/m ³ *resprable fraction

CAS: 471-34-1 Calcium carbonate

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)	TLV withdrawn

· DNELs

CAS: 1317-65-3 Calcium carbonate

Oral	DNEL	6.1 mg/kg bw/Tag (ArL)
Inhalative	DNEL	10 mg/m ³ (ArL)

CAS: 65997-15-1 Portland cement

Inhalative	DNEL	1 mg/m ³ (ArL)
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CAS: 1305-62-0 calcium dihydroxide

Inhalative	DNEL	1 mg/m ³ (ArL)
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CAS: 471-34-1 Calcium carbonate

Inhalative	DNEL	4.26 mg/m ³ (ArL)
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· PNECs

CAS: 1317-65-3 Calcium carbonate

PNEC	100 mg/l (Sewage Treatment Plant)
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CAS: 1305-62-0 calcium dihydroxide

PNEC	3 mg/l (BEL)
	0.32 mg/l (Mew)
	0.49 mg/l (Freshwater)
PNEC	1080 mg/kg dwt (Bod)

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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:** *Wear respiratory protection in case of insufficient ventilation. The selection of respirators (EN 14387) must be based on the known or anticipated exposure concentrations, the hazards of the product and the occupational exposure limits (section 8.1) of the respirator in question. Particle filter PP1: Inert substance; P2, P3: Hazardous substances Provide adequate ventilation. This can be achieved by local exhaust ventilation or general exhaust ventilation. (EN 689 - Methods for determining inhalation exposure) This applies especially at the mixing or stirring place. If this is not sufficient to keep the concentration below the occupational exposure limit, provide respiratory protection.*
- **Protection of hands:** *Protective gloves. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation*
- **Material of gloves** *After use of gloves apply skin-cleaning agents and skin cosmetics. 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 breakthrough time must be obtained from the protective glove manufacturer and must be observed.*
- **Eye protection:** *Not required.*
- **Body protection:** *Protective work clothing.*

9 Physical and chemical properties

- **Information on basic physical and chemical properties**
- **General Information**
- **Appearance:**
 - Form:** *Powder*
 - Colour:** *According to product specification*
 - Smell:** *Odourless*
- **pH-value:** *Not applicable.*
- **Change in condition**
 - Melting point/freezing point:** *Not determined*

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Initial boiling point and boiling range:	Not applicable Not determined
· Flash point:	Not applicable
· Inflammability (solid, gaseous)	Product is not inflammable.
· Explosive properties:	Product is not explosive.
· Steam pressure:	Not applicable.
· Density	Not determined
· Solubility in / Miscibility with Water:	Unsoluble
· Viscosity: dynamic: kinematic:	Not applicable. 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:**

CAS: 1317-65-3 Calcium carbonate		
Oral	LD50	>2000 mg/kg (rat)
Dermal	LD50	>2000 mg/kg (rat)
CAS: 65997-15-1 Portland cement		
Dermal	LD50	2000 mg/kg (rabbit)

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Inhalative	LC50/4 h	5 mg/l (rat)
CAS: 1305-62-0 calcium dihydroxide		
Oral	LD50	7340 mg/kg (rat)
CAS: 471-34-1 Calcium carbonate		
Oral	LD50	>2000 mg/kg (rat)

- **Primary irritant effect:**
- **Skin corrosion/irritation** Irritant for skin and mucous membranes.
- **Serious eye damage/irritation** Strong irritant with the danger of severe eye injury.
- **Respiratory or skin sensitisation** No sensitizing effect known.
- **Additional toxicological information:** 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.
The material is not subject to classification according to EC lists in the last version.

12 Ecological information

· **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)
CAS: 471-34-1 Calcium carbonate	
IC50/72h	>1000 mg/l (algae)
LC50/24h	>10 mg/l (fish)
LC50/96h	>1000 mg/l (fish)
EC50/48h	>1000 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:** Not known to be hazardous to water.
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.

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· **Other adverse effects**

No further relevant information available.

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13 Disposal considerations

· **Waste treatment methods**

· **Recommendation**

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

· **Uncleaned packagings:**

· **Recommendation:**

Packaging can be reused or recycled after cleaning.

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.

· **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.

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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)

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. 5: Acute toxicity – Category 5

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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