

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 04.10.2018

Version number 6

Revision: 04.10.2018

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

1.1 Product identifier

Trade name **BSP 3 / Injection Mortar**

Article number: 0312

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

No further relevant information available.

Sector of Use

SU19 Building and construction work

SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

Product category PC9b Fillers, putties, plasters, modelling clay

Process category PROC0 Other

Environmental release category

ERC8f Widespread use leading to inclusion into/onto article (outdoor)

ERC8c Widespread use leading to inclusion into/onto article (indoor)

Article category AC0 Other

Technical function Filler

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:

Remmers GmbH

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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 RE 2 H373 May cause damage to the lung through prolonged or repeated exposure. Route of exposure: Inhalation.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the CLP regulation.

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Hazard pictograms

GHS05 GHS08

Signal word Danger**Hazard-determining components of labelling:**

Cement

silica (quartz, respirable)

calcium hydroxide

Flue dust, portland cement

Hazard statements

H315 Causes skin irritation.

H318 Causes serious eye damage.

H373 May cause damage to the lung through prolonged or repeated exposure. Route of exposure:
Inhalation.**Precautionary statements**

P260 Do not breathe dust.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.

P302+P352 IF ON SKIN: Wash with plenty of soap and water.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

2.3 Other hazards low chromate content according to directive 2003/53 EG**Results of PBT and vPvB assessment****PBT:** Not applicable.**vPvB:** Not applicable.**SECTION 3: Composition/information on ingredients****3.2 Chemical characterisation: Mixtures****Description:** Mixture of the substances listed below with harmless additions.

Dangerous components:		
CAS: 65997-15-1 EINECS: 266-043-4	Cement Eye Dam. 1, H318; Skin Irrit. 2, H315; STOT SE 3, H335	10-20%
CAS: 1305-62-0 EINECS: 215-137-3 Reg.nr.: 01-2119475151-45-XXXX	calcium hydroxide Eye Dam. 1, H318; Skin Irrit. 2, H315; STOT SE 3, H335	≥5-<10%
CAS: 14808-60-7 EINECS: 238-878-4	silica (quartz, respirable) STOT RE 1, H372	1-2.5%
CAS: 61790-53-2 EC number: 310-127-6	diatomaceous earth (uncalcined) substance with a Community workplace exposure limit	1-2.5%
CAS: 1344-28-1 EINECS: 215-691-6 Reg.nr.: 01-2119529248-35-XXXX	aluminium oxide substance with a Community workplace exposure limit	1-2.5%
CAS: 68475-76-3 EINECS: 270-659-9 Reg.nr.: 01-2119486767-17-XXXX	Flue dust, portland cement Eye Dam. 1, H318; Skin Irrit. 2, H315; STOT SE 3, H335	1-2.5%

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****After inhalation** Seek medical treatment in case of complaints.**After skin contact**

If skin irritation continues, consult a doctor.

Wash immediately with water and soap and rinse thoroughly.

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After eye contact Rinse opened eye for several minutes under running water. Then consult doctor.

After swallowing Call a doctor immediately.

4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available.

Information for doctor see item 3

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 No special measures required.

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

Avoid causing dust.

Avoid skin contact. Avoid eye contact.

Put on breathing apparatus.

Wear protective equipment. Keep unprotected persons away.

6.2 Environmental precautions:

Avoid uncontrolled admittance of water. Avoid uncontrolled runoff after admittance of water. Avoid runoff into sewage system and receiving water.

6.3 Methods and material for containment and cleaning up:

Keep away from water.

Use neutralising agent.

Dispose of contaminated material as waste according to item 13.

Ensure adequate ventilation.

6.4 Reference to other sections

Hardens after contact with water. After hardening it can be disposed of as concrete (European waste catalogue: EWC-Code: 170101).

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

Protect against moisture. Keep out of reach of children. Avoid skin contact. Avoid eye contact.

Thorough removal of dust.

Ensure good ventilation/exhaust in workplaces.

Avoid the formation of dust.

Information about protection against explosions and fires:

Keep breathing equipment ready.

No special requirements.

7.2 Conditions for safe storage, including any incompatibilities

Storage

Requirements to be met by storerooms and containers: No special requirements.

Information on storage in a common storage facility: none

Further information about storage conditions:

Store dry.

Protect from humidity and keep away from water.

Keep container tightly closed.

7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

Additional information about design of technical systems: No further data; see item 7.

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8.1 Control parameters

Components with limit values that require monitoring at the workplace:	
CAS: 65997-15-1 Cement	
WEL	Long-term value: 10* 4** mg/m ³ *inhalable dust **respirable dust
CAS: 1305-62-0 calcium hydroxide	
WEL	Long-term value: 5 mg/m ³
CAS: 61790-53-2 diatomaceous earth (uncalcined)	
WEL	Long-term value: 1.2 mg/m ³ respirable dust
CAS: 1344-28-1 aluminium oxide	
WEL	Long-term value: 10* 4** mg/m ³ *inhalable dust **respirable dust

Additional information: The lists that were valid during compilation were used as a basis.

8.2 Exposure controls**Personal protective equipment****General protective and hygienic measures**

Do not eat, drink or smoke while working.
Use skin protection cream for preventive skin protection.
Observe Professional Association regulations.
Keep away from food, beverages and animal feed.
Immediately remove soiled, saturated clothing.
Wash hands before pauses and after work.
Store protective clothing separately.
Avoid contact with eyes and skin.

Respiratory equipment:

Short term filter device:

Particle-Filter P2

In case of brief exposure or low pollution load, use respiratory protection equipment with filter. In case of intensive or longer exposure, use self-contained respiratory protection equipment.

Protection of hands:

Protective gloves.

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Material of gloves

Nitrile rubber, NBR

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 determined penetration times according to EN 374 part III are not performed under practical conditions. Therefore a maximum wearing time, which corresponds to 50% of the penetration time, is recommended.

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection:

Avoid contact with eyes. In case of eye contact, rinse immediately and thoroughly with water. Seek medical advice.

Tightly sealed safety glasses.

Body protection: Protective work clothing.

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SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties	
General Information	
Appearance:	
Form:	Powder
Colour:	Grey
Odour:	cement-like
Odour threshold:	Not determined.
pH-value (20 g/l) at 20 °C:	ca. 12
Change in condition	
Melting point/freezing point:	>1,000 °C
Initial boiling point and boiling range:	Not determined
Flash point:	Not applicable
Inflammability (solid, gaseous)	Not determined.
Ignition temperature:	not applicable
Decomposition temperature:	Not determined.
Self-inflammability:	Product is not self-igniting.
Explosive properties:	Product is not explosive.
Explosive Limits:	
Lower:	Not determined.
Upper:	Not determined.
Vapour pressure:	Not applicable.
Density:	Not determined
Bulk apparent density	0.95 kg/dm ³
Relative density	Not determined.
Vapour density	Not applicable.
Evaporation rate	Not applicable.
Solubility in / Miscibility with	
Water:	miscible
Distribution coefficient (n-octanol/water): Not determined.	
Viscosity:	
dynamic:	Not applicable.
kinematic:	Not applicable.
Organic solvents:	0.0 %
Solid content:	100.0 %
9.2 Other information	No further relevant information available.

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 handled and stored according to specifications.

Avoid the entrance of moisture

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

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SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity: Based on available data, the classification criteria are not met.

LD/LC50 values that are relevant for classification:		
CAS: 1305-62-0 calcium hydroxide		
Oral	LD50	7,340 mg/kg (rat)

Skin corrosion/irritation:

Causes skin irritation.

Serious eye damage/irritation:

Causes serious eye damage.

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:

May cause damage to the lung through prolonged or repeated exposure. Route of exposure: Inhalation.

Aspiration hazard: Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity: No further relevant information available.

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.

Additional ecological information:

General notes:

Do not allow undiluted or non-neutralised product to reach the sewage system or receiving waters.

Do not allow product to reach ground water, bodies of water or sewage system.

12.5 Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

12.6 Other adverse effects No further relevant information available.

SECTION 13: Disposal considerations

Recommendation

May be used again if taken up in dry. After the addition of water and subsequent hardening, dispose of as concrete.

The given refuse codes are recommendations based upon the intended use of the product. Because of special use and disposal conditions at the user's, other codes may apply under other conditions.

European waste catalogue	
17 01 01	concrete

Uncleaned packaging:

Recommendation: Disposal must be made according to official regulations.

Recommended cleaning agent: Water, if necessary with cleaning agent.

SECTION 14: Transport information

14.1 UN-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

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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 Transport in bulk according to Annex II of Marpol and the IBC Code	Not applicable.
Transport/Additional information:	Not a hazardous good according to the above regulations.
UN "Model Regulation":	Void

SECTION 15: Regulatory information

15.1 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.

National regulations

Other regulations, limitations and prohibition ordinances

Professional Association Principles/Industrial Medicine regulations, e.g. principles of industrial medicine Occupational Safety Regulations.

15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

Delivery specifications are found in the respective Technical Information Sheets.

This data is based on our present state of knowledge. However, it does not constitute a guarantee for any specific product features and does not establish a legally valid contractual relationship.

Relevant phrases

H315 Causes skin irritation.

H318 Causes serious eye damage.

H335 May cause respiratory irritation.

H372 Causes damage to the lung through prolonged or repeated exposure. Route of exposure:
Inhalation.

Department issuing data specification sheet: Product Safety department / EHS

Abbreviations and acronyms:

ADR: Accord européen sur le transport 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

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

STOT RE 1: Specific target organ toxicity (repeated exposure) – Category 1

STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2