

To whom it may concern,

Please find attached proposals relating to concrete repair at IOE building 20 Bedford Way, London, WC1H 0AL.

The proposed methods of protection and or repair to existing concrete surfaces material used, has been specified by our structural engineers in sympathy with existing structure and its finish. It should be noted, an element of time and ware to the surfaces may be required to achieve improved blend, we have attached photos to offer example of on site application , we feel sure you will find works undertaken to a high level .

Regards

Cliff Inch

Overbury

**Photos:**



**Attachments**

1. Concrete repair methodologies with Webercem HB30 by Level 1
2. Webercem HB30 technical data sheet
3. Webercem HB30 safety data sheet

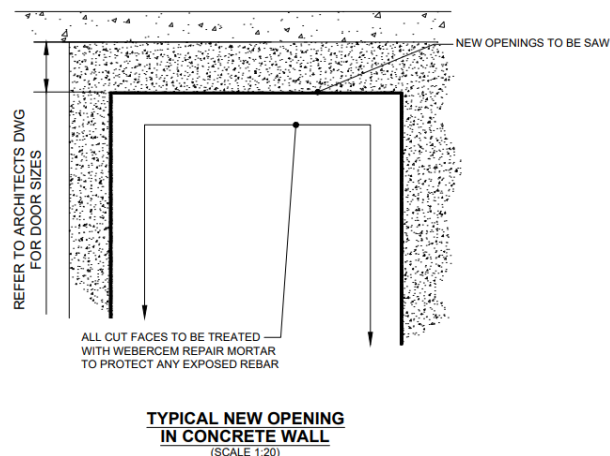
## Concrete repair methodologies with Webercem HB30

### RC Columns

- Concrete surface and laitance shall be removed to obtain a rough surface.
- The area shall be surrounded by clean edges.
- The surface shall be free from any traces of grease, oil and dust.
- Any corroded steel shall be cleaned with a metal brush or sand to remove all dust particles.
- Repair mortar shall be prepared by mixing the compound with water. (As per technical data sheet of approved repair mortar. Generally with 3.75 to 4.5 liters of clean water in 25 kg bags)
- Repair mortar shall be prepared by mixing the compound with water. (As per technical data sheet of approved repair mortar. Generally with 3.75 to 4.5 liters of clean water in 25 kg bags) until a smooth homogenous paste is obtained.
- Repair Mortar should be used as per manufacture recommendations.
- Wash the areas with water a few hours before the application. At the time of application, the area should be free from water & dust.
- The finishing level shall match the alignment of the structure.
- The finishing of the concrete is to match of existing structure.
- Good housekeeping shall be carried out periodically at the end of every day.

### Doorways

- All doorways to have flash cuts via track saw
- All cut faces to be treated by the specified product Webercem Repair Mortar
- Webercem mortar CP is a pre-batched, single-component mortar needing only mixing with water to produce a mortar with low resistivity, suitable for patch repairs on concrete structures where cathodic protection systems are to be used. Conforms to BS EN 1504-3 as a Class R4 repair product
- All substrates must be sound, cohesive, free of loose matter, oil, grease and dust.
- Concrete surfaces must be adequately prepared The perimeter of each area where webercem mortar CP is to be applied must be cut back square. Feather edging is not permitted. Use temporary battens or a wet mortar thickness gauge to ensure that the correct thickness of mortar is applied.
- Thoroughly dampen the area with clean water before applying webercem mortar CP.
- Webercem to be applied by hand using a square trowel and archiving the required finish.
- Good housekeeping shall be carried out periodically at the end of every day



# webercem HB30

Acrylic-polymer modified, highbuild facade repair mortar

- \* Lightweight, medium strength mortar for soffit and vertical repairs
- \* Complies with BS EN 1504-3 as an R3 mortar
- \* High build mortar to repair building facades

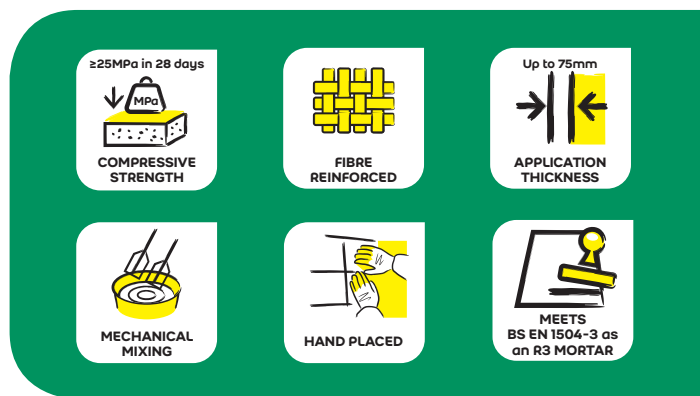
## About this product

**webercem HB30** is a single-component, polymer-modified, high build cementitious mortar, designed for concrete repairs to facades where high compressive strength is not the major consideration. It requires only the addition of clean water to produce a lightweight, low permeability, medium strength mortar suitable for both soffit and vertical repair situations.

This product has been formulated to comply with the requirements of BS EN 1504-3 as an R3 mortar.

## Features and benefits

- High build properties - up to 75mm vertically and 50mm overhead, without formwork depending on size of the repair
- Achieves 30 N/mm<sup>2</sup> in 28 days
- Easy to apply, with excellent application properties
- Low permeability to water, carbon dioxide and chlorides
- Contains fibres and spray dried acrylic polymer



## Uses

- High-build mortar to repair building facades
- Overhead and vertical repairs to soffits, decks and columns
- Repair of voids and honeycombed areas

## Technical data EN1504

Performance Characteristic	Method	Requirement	Result	Pass/Fail
Compressive Strength	EN 12190	≥25 MPa	>30 MPa	Pass
Chloride ion content	EN 1015-17	≤0.05%	0.01%	Pass
Adhesive bond	EN 1542	≥1.5 MPa	>1.5 MPa	Pass
Carbonation resistance	EN 13295	$dk \leq \text{control concrete (1.3)}$	<dk	Pass
Elastic modulus	EN 13412	≥15 GPa	17.5	Pass
Thermal compatibility Part 1 Freeze-thaw	EN 13687-1	"Bond strength after 50 cycles ≥1.5 MPa"	1.5 MPa	Pass
Capillary absorption	EN 13057	≤0.5 kgm <sup>-2</sup> h <sup>-0.5</sup>	0.052	Pass

## Preparation

### Concrete substrates

Concrete substrates must be adequately prepared by use of scabbing, needle gunning or other means, as appropriate. Oil and grease must be removed by steam cleaning together with suitable detergent. Any contaminated concrete must be removed. All damaged concrete should be cut back to a sound surface and at least 15mm behind any exposed reinforcement. The edges of the repair should be cut perpendicular to the surface of the repair.

**Note:** Disc cutting is not recommended due to hazardous respirable crystalline silica that can be produced.

New concrete must be at least 14 days old.

Thoroughly saturate the concrete but remove excess water.

### Steel substrates

These should be grit blasted to equivalent to BS 7079-A1 and degreased immediately prior to application. Where corrosion is absent, wire brushing to a clean, bright surface may be adequate. Care must be taken not to polish the rust.

**Note:** Preparation of both concrete and steel must achieve a clean, sound, roughened surface.

## Mixing

### Mixing of bonding slurry

Mix 2.5 volumes of **webercem bondcoat** powder to 1 volume of clean water. Mix vigorously to a brushable, slurry consistency.

For detailed application instructions, see separate **webercem bondcoat** data sheet.

### Mixing webercem HB30

A low-shear, forced-action mixer must be used e.g. Mixal Mixer or Creteangle. Hand mixing of the mortar is not recommended.

Mix for 2-3 minutes from adding the powder to the water.

Over mixing will entrain air and reduce compressive strength. Do not over mix.

Water addition is 2.4 to 2.7 litres of clean water per 20kg bag. Start at 2.4 litres and adjust as required upwards to 2.7 litres.

Do not add more than 2.7 litres of water.

## Application

### Priming of steel reinforcement

Apply one full, unbroken coat of **webercem bondcoat**, ensuring the back of the cleaned reinforcing bars are coated.

### Priming of concrete substrate

Ensuring the prepared concrete substrate is saturated but surface damp, use a stiff brush to scrub the slurry well into the surface.

Apply the mortar to the substrate whilst the bonding slurry is still tacky and compact well into place, ensuring no air is trapped.

The minimum application thickness is 20mm. Where very thick sections are required multiple applications may be necessary. Intermediate surfaces, should be scratched to give a good mechanical key. Successive applications repairs requires the use of **webercem bondcoat**.

### Finishing

If subsequent materials or coatings are to be applied, finish with a wooden or plastic float or a sponge to present a lightly textured surface.

### Curing

Unless a levelling mortar, coating, inhibitor, sealer or other system is to be applied to the surface, cure immediately after finishing with a suitable membrane.

Before application of a coating or a levelling mortar, cure the repairs by covering with closely-fitting polyethylene sheeting. **webercem HB30** can be overcoated by **webercem fairing coat** or one of the anti-carbonation coatings in the **webercote** range. Overcoating times are dependent on weather conditions.

When cured, **webercem HB30** and **webercem bondcoat** are stable to freeze/thaw conditions but, following good concreting practice, they should not be applied in freezing weather or onto frozen surfaces or at temperatures below 5°C.

## Packaging

**webercem HB30** is supplied in 20kg bags.

### Yield

#### webercem HB30

Approximately 13.0 litres per 20kg bag, i.e. 77 bags per m<sup>3</sup>.

#### webercem bondcoat

Approximately 5kg per 1m<sup>2</sup>.

## Storage and shelf life

When stored unopened in a dry place at temperatures above 5°C, shelf life is 12 months from date of manufacture.

## Health and safety

Contains cement (Contains chromium (VI)). May produce an allergic reaction). Harmful by inhalation. Irritating to eyes and skin. Keep out of the reach of children. In case of contact with eyes, rinse immediately with plenty of water and seek medical help. After contact with skin, wash immediately with plenty of soap and water. Wear suitable protective clothing, gloves and eye/face protection.

For further information, please request the Material Safety Data Sheet for this product.

### Saint-Gobain Weber

Dickens House, Enterprise Way  
Maulden Road, Flitwick, Bedford, MK45 5BY

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technical@netweber.co.uk  
www.uk.weber  
@SGWeberUK

To the best of our knowledge and belief, this information is true and accurate, but as conditions of use and any labour involved are beyond our control, the end user must satisfy themselves by prior testing that the product is suitable for their specific application, and no responsibility can be accepted, or any warranty given by our Representatives, Agents or Distributors. Products are sold subject to our Standard Conditions of Sale and the end user should ensure that they have consulted our latest literature.



**Safety Data Sheet**  
according to 1907/2006/EC, Article 31

Printing date 16.12.2022

Version number 3 (replaces version 2)

Revision: 15.12.2022

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

**1.1 Product identifier**

Trade name webercem HB30

Safety data sheet no.: 44P46044

**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** Construction chemicals

**1.3 Details of the supplier of the safety data sheet**

**Manufacturer/Supplier:**

Saint-Gobain Weber

Dickens House

Enterprise Way

Flitwick

Bedfordshire MK45 5BY

Tel: +44(0)1525 718877

webersds@saint-gobain.com

**1.4 Emergency telephone number:**

- Ireland: National Poisons Information Centre: +353 (1) 809 2166 (Members of the public 8am - 10pm, 7 days a week) ; +353 (1) 809 2566 (Healthcare professionals only 24/7)

- Iceland: Poisons Information Center - Icelandic University Hospital: +354 543 2222

**SECTION 2: Hazards identification**

**2.1 Classification of the substance or mixture**

**Classification according to Regulation (EC) No 1272/2008**

Results of in vitro- tests have shown that cement based mixtures with more than 1% of cement cause serious skin irritation and serious eye damage, therefore the classification of these mixtures regarding H315 and H318 is not based on the calculation of the ingredients or the pH in this case.



GHS05 corrosion

Eye Dam. 1 H318 Causes serious eye damage.



GHS07

Skin Irrit. 2 H315 Causes skin irritation.

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

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**Trade name webercem HB30**

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**Signal word** Danger

**Hazard-determining components of labelling:**

cement portland, grey  
calcium sulfoaluminate clinker

**Hazard statements**

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.  
P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.  
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.  
P363 Wash contaminated clothing before reuse.  
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

**2.3 Other hazards**
**Results of PBT and vPvB assessment**
**PBT:** Does not contain PBT substances.

**vPvB:** Does not contain vPvB substances.

## SECTION 3: Composition/information on ingredients

**3.2 Mixtures**
**Description:** Mixture of substances listed below with non hazardous additions.

**Dangerous components:**

CAS: 14808-60-7 EINECS: 238-878-4	Silicon dioxide (Quartz sand) substance with a Community workplace exposure limit	25-50%
CAS: 65997-15-1 EINECS: 266-043-4	cement portland, grey ⚠ Eye Dam. 1, H318; ⚠ Skin Irrit. 2, H315; Skin Sens. 1, H317; STOT SE 3, H335, EUH203 Specific concentration limits: Skin Irrit. 2; H315: C ≥ 1% Eye Dam. 1; H318: C ≥ 1 %	10-25%
EC number: 934-133-9	calcium sulfoaluminate clinker ⚠ Eye Dam. 1, H318; ⚠ Skin Irrit. 2, H315; Skin Sens. 1, H317; STOT SE 3, H335	≥5-<10%
CAS: 69012-64-2 EINECS: 273-761-1	amorphous silica (fume) substance with a Community workplace exposure limit	2-5%
CAS: 7778-18-9 EINECS: 231-900-3 Reg.nr.: 01-2119444918-26-xxxx	calcium sulphate, natural substance with a Community workplace exposure limit	0.1-1%

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**Trade name webercem HB30**

CAS: 7733-02-0  
EINECS: 231-793-3  
Index number: 030-006-00-9

zinc sulphate (anhydrous)  
☞ Eye Dam. 1, H318; ☞ Aquatic Acute 1, H400;  
Aquatic Chronic 1, H410; ☞ Acute Tox. 4, H302

(Contd. of page 2)  
≥0.1- <0.25%

**SVHC** Void

**Additional information**

The mixture is "low chromate" according to the Regulation (EC) No 1272/2008 within the product shelf-life, so that the classification with H317 is not applicable, when the packing was not opened in the meantime.

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**

Remove the victim immediately from the danger area. If the patient is unwell consult a doctor and present this data sheet.

**After inhalation** Supply fresh air; consult doctor in case of complaints.

**After skin contact** Generally the product does not irritate the skin.

**After eye contact**

Rinse opened eye for several minutes under running water. Rinse liquid should be tempered (20-30°C).

**After swallowing** If symptoms persist consult a doctor.

**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**

CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray 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:** Pick up 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 disposal information.

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### SECTION 7: Handling and storage

**7.1 Precautions for safe handling** Provide suction extractors if dust is formed.

**Information about fire - and explosion protection:** No special measures required.

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

**Storage**

**Requirements to be met by storerooms and receptacles:**

Store only in unopened original receptacles.

**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**

**Ingredients with limit values that require monitoring at the workplace:**

DNELs		
CAS: 93924-19-7 Ashes (residues), cenospheres		
Inhalative	Derived No Effect Level	3 mg/m <sup>3</sup> (worker systemic short term value) 0.113 mg/m <sup>3</sup> (worker local long term value)
CAS: 7778-18-9 calcium sulphate, natural		
Oral	Derived No Effect Level	1.52 mg/kgxday (consumer systemic long term value) 11.4 mg/kgxday (consumer systemic short term value)
Inhalative	Derived No Effect Level	21.17 mg/m <sup>3</sup> (worker systemic long term value) 5,082 mg/m <sup>3</sup> (worker systemic short term value) 5.29 mg/m <sup>3</sup> (consumer systemic long term value) 3,811 mg/m <sup>3</sup> (consumer systemic short term value)
CAS No. / Designation of material / % / Type / Value / Unit		
CAS: 14808-60-7 Silicon dioxide (Quartz sand)		
BOELV (European Union)	Long-term value: 0.1* mg/m <sup>3</sup> *respirable fraction	
MAK (Germany)	Long-term value: 0.05 mg/m <sup>3</sup> alveolengängige Fraktion	
GV (Denmark)	Short-term value: 0.6* 0.2** mg/m <sup>3</sup> Long-term value: 0.3* 0.1** mg/m <sup>3</sup> *total; **total, respirabel, EK	
LEP (Spain)	Long-term value: 0.05 mg/m <sup>3</sup> *Fracción resp:n,d,y	
TWA (Italy)	Long-term value: 0.025 mg/m <sup>3</sup> A2, (j)	
VLE (Portugal)	Long-term value: 0.025 mg/m <sup>3</sup> Resp.;A2; fibrose pulmonar; cancro do pulmão	
OEL (Sweden)	Long-term value: 0.1 mg/m <sup>3</sup> C, M, respirabel fraktion	

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HTP (Finland)	Long-term value: 0.05 0.1* mg/m <sup>3</sup> alveolijae;*sitovat raja-arvot, pöly
<b>CAS: 65997-15-1 cement portland, grey</b>	
AGW (Germany)	Long-term value: 5 E mg/m <sup>3</sup> DFG
LEP (Spain)	Long-term value: 4 mg/m <sup>3</sup> fracción respirable: e, d
TWA (Italy)	Long-term value: 1 mg/m <sup>3</sup> (e, j), A4
VLE (Portugal)	Long-term value: 1 mg/m <sup>3</sup> Fração resp.;A4,função pulm.,sintomas resp.,asma
HTP (Finland)	Long-term value: 5* 1** mg/m <sup>3</sup> *hengittyvä pöly, **alveolijae
<b>CAS: 69012-64-2 amorphous silica (fume)</b>	
AGW (Germany)	Long-term value: 0.3 A mg/m <sup>3</sup> DFG, Y, 1
GV (Denmark)	Short-term value: 4 mg/m <sup>3</sup> Long-term value: 2 mg/m <sup>3</sup> respirabel
LEP (Spain)	Long-term value: 2* mg/m <sup>3</sup> *Fracción respirable: d
TWA (Italy)	Long-term value: (2) mg/m <sup>3</sup> (j); silice, fumi
VLE (Portugal)	Long-term value: 2 mg/m <sup>3</sup> Irritacao; febre
<b>CAS: 7778-18-9 calcium sulphate, natural</b>	
AGW (Germany)	Long-term value: 6 A mg/m <sup>3</sup> DFG
LEP (Spain)	Long-term value: 10 mg/m <sup>3</sup> e
TWA (Italy)	Long-term value: 10 mg/m <sup>3</sup> (i)
VLE (Portugal)	Long-term value: 10 mg/m <sup>3</sup> Fração inalável; Sintomas nasais
<b>CAS: 7733-02-0 zinc sulphate (anhydrous)</b>	
MAK (Germany)	Long-term value: 0.1A* 2E** mg/m <sup>3</sup> *alveolengängig; **einatembär

### 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:**

The usual precautionary measures are to be adhered to when handling chemicals.

Wash hands before breaks and at the end of work.

**Respiratory protection:** Not required.

**Hand protection** Protective gloves.

**Eye/face protection** Tightly sealed goggles

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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

Colour:	Grey
Odour:	Characteristic
Odour threshold:	Not determined.
Melting point/freezing point:	Undetermined.
Boiling point or initial boiling point and boiling range	Undetermined.
Flammability	Product is not flammable.
Lower and upper explosion limit	
Lower:	Not determined.
Upper:	Not determined.
Flash point:	Not applicable
Ignition temperature:	Not determined.
Decomposition temperature:	Not determined.
pH	Not applicable.
Viscosity:	
Kinematic viscosity	Not applicable.
dynamic:	Not applicable.
Solubility	
Water:	Insoluble
Partition coefficient n-octanol/water (log value)	Not determined.
Vapour pressure:	Not applicable.
Density and/or relative density	
Density:	Not applicable.
Relative density	Not determined.
Vapour density	Not applicable.
Particle characteristics	See item 3.

#### 9.2 Other information

Appearance:	
Form:	Powder
Important information on protection of health and environment, and on safety.	
Auto-ignition temperature:	Product is not self-igniting.
Explosive properties:	Product does not present an explosion hazard.
Minimum ignition energy	
Solvent content:	
Organic solvents:	0.0 %
EU-VOC (%)	0.0000 %
EU-VOC (g/L)	0.0000 g/l
Solids content:	100.0 %
Change in condition	
Softening point/range	
Oxidising properties	Not determined.

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<b>Evaporation rate</b>	Not applicable.
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### 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 at recommended storage conditions

**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 relevant for classification:**

Components	Type	Value	Species
<b>CAS: 65997-15-1 cement portland, grey</b>			
Dermal	LD50	>2,000 mg/kg	(Rabbit)
<b>CAS: 93924-19-7 Ashes (residues), cenospheres</b>			
Oral	LD50	>2,000 mg/kg	(Rat)
<b>CAS: 69012-64-2 amorphous silica (fume)</b>			
Oral	LD50	>10,000 mg/kg	(Rat)

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**CAS: 7778-18-9 calcium sulphate, natural**

Oral	LD50	>2,000 mg/kg (Rat)
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**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:** No further relevant information available.

**Type of test / Effective concentration / Method / Assessment**
**CAS: 69012-64-2 amorphous silica (fume)**

EC50/24h	>1,002 mg/l (Daphnia magna)
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**CAS: 7778-18-9 calcium sulphate, natural**

LC50/48h	79-1,970 mg/l (Daphnia magna)
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LC50/96h	>79 mg/l (Oryzias latipes (Japanese medaka))
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	79-2,980 mg/l (Fish)
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EC50/72h	>79 mg/l (Selenastrum capricornutum (Green algae))
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**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:** Does not contain PBT substances.

**vPvB:** Does not contain vPvB substances.

**12.6 Endocrine disrupting properties**

The product does not contain substances with endocrine disrupting properties.

**12.7 Other adverse effects**
**Behaviour in sewage processing plants:**
**Type of test / Effective concentration / Method / Assessment**
**CAS: 7778-18-9 calcium sulphate, natural**

EC 50 (3h)	>1,000 mg/l (Activated sludge)
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**Additional ecological information:**
**General notes:** Do not allow product to reach ground water, water course or sewage system.

### SECTION 13: Disposal considerations

#### 13.1 Waste treatment methods

##### European waste catalogue

HP4	Irritant - skin irritation and eye damage
HP5	Specific Target Organ Toxicity (STOT)/Aspiration Toxicity
HP13	Sensitising

**Uncleaned packaging:**
**Recommendation:**

Empty contaminated packagings thoroughly. They may be recycled after thorough and proper cleaning.

**Recommended cleaning agent:** Thoroughly shake out sacks.

### 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**
**Class**      - (-)

**ADN/R Class:**      Void

**IMDG**
**Class**      Void

**Label**      -

#### 14.4 Packing group

ADR, IMDG, IATA      Void

#### 14.5 Environmental hazards:

Not applicable.

#### 14.6 Special precautions for user

Not applicable.

**EMS Number:**

-

#### 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

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## Safety Data Sheet

according to 1907/2006/EC, Article 31

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### SECTION 15: Regulatory information

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

Regulation (EC) No 1907/2006 (REACH) (Candidate List, Annexes XIV and XVII)

Regulation (EC) No 1272/2008 (CLP)

Regulation (EU) 2020/878 (amending REACH Annex II on the compilation of safety data sheets)

"Control of Substances Hazardous to Health" UK Regulations 2002 (as amended)

#### Directive 2012/18/EU

Named dangerous substances - ANNEX I None of the ingredients is listed.

REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 47

#### 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

This information is based on our present knowledge. However, this 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.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H335 May cause respiratory irritation.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

EUH203 Contains chromium (VI). May produce an allergic reaction.

#### Classification according to Regulation (EC) No 1272/2008

Skin corrosion/irritation

Serious eye damage/eye irritation

Skin sensitisation

Specific target organ toxicity (single exposure)

The classification of the mixture is generally based on the calculation method using substance data according to Regulation (EC) No 1272/2008.

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**Department issuing SDS:** EHS

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**Version number of previous version:** 2

**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

IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)

ICAO: International Civil Aviation Organisation

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)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

SVHC: Substances of Very High Concern (REACH regulation)

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

Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1

Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1

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