

SAFETY DATA SHEET
HeliBond (powder component)

SECTION 1: IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING

1.1 Product Identifier

Product name HeliBond (powder component)

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

Identified uses Cement grout.

1.3 Details of the supplier of the safety data sheet

Supplier Helifix
The Mille
1000 Great West Road (10th Floor)
Brentford
London TW8 9DW

Tel: +44 (0)20 8735 5200
Fax: +44 (0)20 8735 5201
Email: sales@helifix.co.uk

Contact person sales@helifix.co.uk

1.4 Emergency telephone number

+44 (0)20 8735 5200 (Mon – Fri 09:00 – 17:00)

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical hazards Not Classified

Health hazards Skin Irrit. 2 - H315 Eye Dam. 1 - H318 Skin Sens. 1 - H317 STOT SE 3 - H335

Environmental hazards Not Classified

Human health Prolonged or repeated contact with skin may cause redness, itching, irritation and eczema/chapping. Dust may irritate the respiratory system.

Environmental The product is not expected to be hazardous to the environment.

2.2. Label elements

Pictogram



Signal word Danger



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Hazard statements	H315 Causes skin irritation. H317 May cause an allergic skin reaction. H318 Causes serious eye damage. H335 May cause respiratory irritation.
Precautionary statements	P261 Avoid breathing dust. P280 Wear protective gloves/protective clothing/eye protection/face protection. P302+P352 IF ON SKIN: Wash with plenty of 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. P362+P364 Take off contaminated clothing and wash it before reuse P501 Dispose of contents/container in accordance with national regulations.
Contains	PORTLAND CEMENT, Flue dust from production of cement clinker, CALCIUM SULFATE
Supplementary precautionary statements	P264 Wash contaminated skin thoroughly after handling. P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

2.3. Other hazards

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

PORTLAND CEMENT	50-80%
CAS number: 65997-15-1 EC number: 266-043-4	
Classification	
Skin Irrit. 2 - H315	
Eye Dam. 1 - H318	
Skin Sens. 1B - H317	
STOT SE 3 - H335	
QUARTZ SAND	20-50%
CAS number: 14808-60-7 EC number: 238-878-4	
Classification	
Not Classified	
Flue dust from production of cement clinker	1-5%
CAS number: 68475-76-3 EC number: 270-659-9 REACH registration number: 01-2119486767-17-XXXX	
Classification	
Skin Irrit. 2 – H315	
Eye Dam. 1 – H318	
Skin Sens. 1 – H317	
STOT SE 3 – H335	



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CALCIUM SULFATE 1-5%
CAS number: 7778-18-9 **EC number:** 231-900-3 **REACH registration number:** 01-2119444918-26-XXXX
Classification
Skin Irrit. 2 - H315
Eye Dam. 1 - H318

The full text for all Hazard Statements are displayed in section 16

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

Inhalation	Remove affected person from source of contamination. Get medical attention if any discomfort continues.
Ingestion	Do not induce vomiting. Give plenty of water to drink. Get medical attention if any discomfort continues.
Skin contact	It is important to remove the substance from the skin immediately. Wash skin thoroughly with soap and water. Get medical attention if any discomfort continues.
Eye contact	Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention if irritation persists after washing. Show this Safety Data Sheet to the medical personnel.

4.2. Most important symptoms and effects, both acute and delayed

Inhalation	Irritation of nose, throat and airway.
Ingestion	May cause stomach pain or vomiting.
Skin contact	Prolonged or repeated contact with skin may cause irritation, redness and dermatitis.
Eye contact	Severe irritation, burning and tearing.

4.3. Indication of any immediate medical attention and special treatment needed

Notes for the doctor	No specific recommendations. If in doubt, get medical attention promptly.
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SECTION 5: FIRE FIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media	The product is non-combustible.
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5.2. Special hazards arising from the substance or mixture

Specific hazards	No unusual fire or explosion hazards noted.
Hazardous combustion products	No known hazardous decomposition products.



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5.3. Advice for firefighters

Protective actions during firefighting No specific firefighting precautions known.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Wear protective clothing as described in Section 8 of this safety data sheet.

6.2. Environmental precautions

Environmental precautions Avoid discharge into drains.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Avoid generation and spreading of dust. No specific clean-up procedure recommended.

6.4. Reference to other sections

Reference to other sections Wear protective clothing as described in Section 8 of this safety data sheet. Collect and dispose of spillage as indicated in Section 13.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Usage precautions Avoid generation and spreading of dust. Avoid breathing dust. Avoid contact with eyes. Avoid contact with skin.

Advice on general occupational hygiene

Do not eat, drink or smoke when using this product. Good personal hygiene procedures should be implemented.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions No specific recommendations.

7.3. Specific end use(s)

Specific end use(s) The identified uses for this product are detailed in Section 1.2.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Occupational exposure limits

PORTLAND CEMENT

Long-term exposure limit (8-hour TWA): WEL 10 mg/m³ inhalable dust

Long-term exposure limit (8-hour TWA): WEL 4 mg/m³ respirable dust

QUARTZ SAND

Long-term exposure limit (8-hour TWA): WEL 0,1 mg/m³

Short-term exposure limit (15-minute): WEL

WEL = Workplace Exposure Limit

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CALCIUM SULFATE (CAS: 7778-18-9)

DNEL	Workers – Inhalation; Long term systemic effects: 21.17 mg/m ³ Workers – Inhalation; Short term systemic effects: 5082 mg/m ³ REACH dossier information
PNEC	-STP; 100mg/l REACH dossier information

8.2. Exposure controls

Protective equipment



Appropriate engineering controls	Provide adequate general and local exhaust ventilation. Observe any occupational exposure limits for the product or ingredients.
Eye/face protection	The following protection should be worn: Chemical splash goggles.
Hand protection	It is recommended that chemical-resistant, impervious gloves are worn.
Other skin and body protection	Wear appropriate clothing to prevent skin contamination.
Hygiene measures	Use engineering controls to reduce air contamination to permissible exposure level. Use appropriate skin cream to prevent drying of skin.
Respiratory protection	If ventilation is inadequate, suitable respiratory protection must be worn.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance	Dusty powder.
Colour	Dark. Grey.
Odour	No characteristic odour.
Odour threshold	Not determined.
pH	Not determined.
Melting point	Not applicable.
Initial boiling point and range	Not applicable.
Flash point	Not applicable.
Evaporation rate	Not applicable.



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Evaporation factor	Not applicable.
Flammability (solid, gas)	Not applicable.
Upper/lower flammability or explosive limits	Not applicable.
Other flammability	Not applicable.
Vapour pressure	Not applicable.
Vapour density	Not applicable.
Relative density	Not determined.
Bulk density	Not determined.
Solubility(ies)	Insoluble in water
Partition coefficient	Not applicable.
Auto-ignition temperature	Not determined.
Decomposition Temperature	Not determined.
Viscosity	Not applicable.
Explosive properties	Not applicable.
Explosive under the influence of a flame	No
Oxidising properties	Does not meet the criteria for classification as oxidising.

9.2. Other information

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

Reactivity The following materials may react with the product: Acids.

10.2. Chemical stability

Stability Stable at normal ambient temperatures and when used as recommended.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions The following materials may react with the product: Acids.

10.4. Conditions to avoid

Conditions to avoid Avoid contact with water. Avoid contact with: Acids.

10.5. Incompatible materials

Materials to avoid Avoid contact with acids.

10.6. Hazardous decomposition products

No known hazardous decomposition products



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SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Skin sensitisation	Sensitising.
Inhalation	Dust may irritate the respiratory system.
Ingestion	No harmful effects expected from quantities likely to be ingested by accident.
Skin contact	Powder may irritate skin. Prolonged or repeated exposure may cause severe irritation. May cause sensitisation by skin contact.
Eye contact	Repeated exposure may cause chronic eye irritation.
Acute and chronic health hazards	This product may cause skin and eye irritation. Prolonged or repeated exposure may cause severe irritation. Dust may irritate the respiratory system. May cause sensitisation by skin contact.
Route of entry	Inhalation, skin and/or eye contact.
Target organs	No specific target organs known.
Medical symptoms	Skin irritation. Dry skin. Irritation of eyes and mucous membranes. General respiratory distress, unproductive cough.
Medical considerations	No information available.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

12.2. Persistence and degradability

Persistence and degradability The product is not readily biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential The product is not bioaccumulating.

Partition coefficient

Not applicable.

12.4. Mobility in soil

Mobility The product is non-volatile. Not considered mobile.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessments This product does not contain any substances classified as PBT or vPvBT

12.6. Other adverse effects

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Disposal methods Dispose of waste via a licensed waste disposal contractor.



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SECTION 14: TRANSPORT INFORMATION

General	The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).
14.1. UN number	Not applicable.
14.2. UN proper shipping name	Not applicable.
14.3. Transport hazard class(es)	No transport warning sign required. No transport label warning sign required.
Transport labels	No transport warning sign required.
14.4. Packing group	Not applicable.
14.5. Environmental hazards Environmentally hazardous substance/marine pollutant	No
14.6. Special precautions for user	Not applicable.
14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.

SECTION 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture EU legislation	(EU) No 2015/830
Guidance	Workplace Exposure Limits EH40.
15.2. Chemical safety assessment	No chemical safety assessment has been carried out.
Inventories US-TSCA	All ingredients are listed or exempt.
US-TSCA 12(b) Export Notification	None of the ingredients are listed or exempt.

SECTION 16: OTHER INFORMATION

Revision date	23/01/2017
Revision	2
SDS number	HUK7
Hazard statements in full	H315 Causes skin irritation. H317 May cause an allergic skin reaction. H318 Causes serious eye damage

Disclaimer

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.