





## MATERIAL SAFETY DATA SHEET

### HeliBond (powder)

**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

#### Classification (67/548/EEC or 1999/45/EC)

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**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

#### Classification

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

**CALCIUM SULFATE** **1-5%**

CAS number: 7778-18-9      EC number: 231-900-3      REACH registration number: 01-2119444918-26

#### 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.



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<b>Ingestion</b>	Do not induce vomiting. Give plenty of water to drink. Get medical attention if any discomfort continues.
<b>Skin contact</b>	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.
<b>Eye contact</b>	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**

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

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

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

#### **5.1. Extinguishing media**

<b>Suitable extinguishing media</b>	The product is non-combustible.
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#### **5.2. Special hazards arising from the substance or mixture**

<b>Specific hazards</b>	No unusual fire or explosion hazards noted.
<b>Hazardous combustion products</b>	No known hazardous decomposition products.

#### **5.3. Advice for firefighters**

<b>Protective actions during firefighting</b>	No specific firefighting precautions known.
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### SECTION 6: ACCIDENTAL RELEASE MEASURES

#### **6.1. Personal precautions, protective equipment and emergency procedures**

<b>Personal precautions</b>	Wear protective clothing as described in Section 8 of this safety data sheet.
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#### **6.2. Environmental precautions**

<b>Environmental precautions</b>	Avoid discharge into drains.
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#### **6.3. Methods and material for containment and cleaning up**

<b>Methods for cleaning up</b>	Avoid generation and spreading of dust. No specific clean-up procedure recommended.
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#### **6.4. Reference to other sections**

<b>Reference to other sections</b>	Wear protective clothing as described in Section 8 of this safety data sheet. Collect and dispose of spillage as indicated in Section 13.
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#### 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/m<sup>3</sup> inhalable dust

Long-term exposure limit (8-hour TWA): WEL 4 mg/m<sup>3</sup> respirable dust

###### QUARTZ SAND

Long-term exposure limit (8-hour TWA): WEL 0,1 mg/m<sup>3</sup>

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

WEL = Workplace Exposure Limit

###### CALCIUM SULFATE (CAS: 7778-18-9)

**DNEL** Workers - Inhalation; Long term systemic effects: 21.17 mg/m<sup>3</sup>  
 Workers - Inhalation; Short term systemic effects: 5082 mg/m<sup>3</sup>  
 REACH dossier information

**PNEC** - STP; 100 mg/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.



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**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

<b>Appearance</b>	Dusty powder.
<b>Colour</b>	Dark. Grey.
<b>Odour</b>	No characteristic odour.
<b>Odour threshold</b>	Not determined.
<b>pH</b>	Not determined.
<b>Melting point</b>	Not applicable.
<b>Initial boiling point and range</b>	Not applicable.
<b>Flash point</b>	Not applicable.
<b>Evaporation rate</b>	Not applicable.
<b>Evaporation factor</b>	Not applicable.
<b>Flammability (solid, gas)</b>	Not applicable.
<b>Upper/lower flammability or explosive limits</b>	Not applicable.
<b>Other flammability</b>	Not applicable.
<b>Vapour pressure</b>	Not applicable.
<b>Vapour density</b>	Not applicable.
<b>Relative density</b>	Not determined.
<b>Bulk density</b>	Not determined.
<b>Solubility(ies)</b>	Insoluble in water
<b>Partition coefficient</b>	Not applicable.
<b>Auto-ignition temperature</b>	Not determined.
<b>Decomposition Temperature</b>	Not determined.
<b>Viscosity</b>	Not applicable.
<b>Explosive properties</b>	Not applicable.
<b>Explosive under the influence of a flame</b>	No
<b>Oxidising properties</b>	Does not meet the criteria for classification as oxidising.

##### 9.2. Other information



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#### 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

**Hazardous decomposition products** No known hazardous decomposition products.

#### SECTION 11: TOXICOLOGICAL INFORMATION

##### 11.1. Information on toxicological effects

##### Skin sensitisation

**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 exposure**

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.



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**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 Assessment**

This product does not contain any substances classified as PBT or vPvB.

**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.

**Waste class**

The waste code classification is to be carried out according to the European Waste Catalogue(EWC).

**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.

**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 MARPOL and the IBC Code****Transport in bulk according to Annex II of MARPOL 73/78 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 the ingredients are listed or exempt.



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#### US - TSCA 12(b) Export Notification

None of the ingredients are listed or exempt.

#### SECTION 16: OTHER INFORMATION

Revision date	6/12/19
Version number	1.0
SDS number	HUSA2
Hazard statements in full	H315 Causes skin irritation. H317 May cause an allergic skin reaction. H318 Causes serious eye damage. H335 May cause respiratory irritation.

#### 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.