



## SAFETY DATA SHEET CEBEX 100

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

#### 1.1. Product identifier

**Product name** CEBEX 100  
**Product number** 1046002UK9, 1046016UK9

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

**Identified uses** Expanding and plasticising grout admixture.

#### 1.3. Details of the supplier of the safety data sheet

**Supplier** FOSROC Limited  
Drayton Manor Business Park  
Coleshill Road  
Tamworth  
Staffordshire  
B78 3XN  
Tel. +44 (0) 1827 262222  
Fax. +44 (0) 1827 262444  
enquiryuk@fosroc.com

#### 1.4. Emergency telephone number

**Emergency telephone** +44 (0) 1827 265 279 (08.30 to 17.00hrs Mon - Thu; 08.30 to 16.00hrs Fri)

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification (EC 1272/2008)

**Physical hazards** Not Classified  
**Health hazards** Not Classified  
**Environmental hazards** Not Classified

**Human health** Dust may irritate the respiratory system. Symptoms following overexposure may include the following: Coughing. Frequent inhalation of dust over a long period of time increases the risk of developing lung diseases.

**Environmental** The resultant material is not biodegradable.

#### 2.2. Label elements

**Hazard statements** NC Not Classified

#### 2.3. Other hazards

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

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

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<b>SILICA SAND</b>	<b>60-100%</b>
CAS number: 14808-60-7	EC number: 238-878-4
<b>Classification</b>	
Not Classified	
<b>ALUMINIUM POWDER (STABILIZED)</b>	<b>1-5%</b>
CAS number: 7429-90-5	EC number: 231-072-3
<b>Classification</b>	
Flam. Sol. 1 - H228	
Water-react. 2 - H261	

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

<b>Inhalation</b>	Move affected person to fresh air at once.
<b>Ingestion</b>	Rinse mouth thoroughly with water. Get medical attention if any discomfort continues.
<b>Skin contact</b>	Remove contaminated clothing immediately and wash skin with soap and water.
<b>Eye contact</b>	Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

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

<b>Inhalation</b>	Irritation of nose, throat and airway.
<b>Ingestion</b>	No specific symptoms known.
<b>Skin contact</b>	May be harmful in contact with skin.
<b>Eye contact</b>	May irritate eyes.

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

<b>Notes for the doctor</b>	No specific recommendations.
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### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

<b>Suitable extinguishing media</b>	The product is not flammable. Use fire-extinguishing media suitable for the surrounding fire.
<b>Unsuitable extinguishing media</b>	Water. Foam. Carbon dioxide (CO <sub>2</sub> ).

#### 5.2. Special hazards arising from the substance or mixture

<b>Specific hazards</b>	In contact with water releases flammable gases which may ignite spontaneously.
<b>Hazardous combustion products</b>	Irritating gases or vapours. Metal oxide(s).

#### 5.3. Advice for firefighters

<b>Protective actions during firefighting</b>	Wear self-contained breathing apparatus.
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### SECTION 6: Accidental release measures

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

**Personal precautions** Avoid contact with skin and eyes. For personal protection, see Section 8.

### 6.2. Environmental precautions

**Environmental precautions** Avoid release to the environment.

### 6.3. Methods and material for containment and cleaning up

**Methods for cleaning up** Collect powder using special dust vacuum cleaner with particle filter or carefully sweep into suitable waste disposal containers and seal securely.

### 6.4. Reference to other sections

**Reference to other sections** Wear protective clothing as described in Section 8 of this safety data sheet.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

**Usage precautions** Avoid inhalation of dust and contact with skin and eyes. Avoid spread of dust.

### 7.2. Conditions for safe storage, including any incompatibilities

**Storage precautions** Store in tightly-closed, original container in a dry and cool place. Seal opened containers and use up as soon as possible To be stored out of reach of children in its original packaging in a dry place. Store away from the following materials: Liquid chlorinated hydrocarbons Keep away from oxidising materials, heat and flames. Protect from humidity and water.

### 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

#### SILICA SAND

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

#### ALUMINIUM POWDER (STABILIZED)

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

WEL = Workplace Exposure Limit

#### ALUMINIUM POWDER (STABILIZED) (CAS: 7429-90-5)

**DNEL**

Workers - Oral; Long term systemic effects: 3 mg/m<sup>3</sup>

### 8.2. Exposure controls

#### Protective equipment



#### Appropriate engineering controls

Atmospheric levels of dust must be maintained within the Occupational Exposure Limit. Where mechanical methods are inadequate or impractical, appropriate personal protective equipment must be used. As this product contains ingredients with exposure limits, process enclosures, local exhaust ventilation or other engineering controls should be used to keep worker exposure below any statutory or recommended limits, if use generates dust, fumes, gas, vapour or mist.

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<b>Personal protection</b>	Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment.
<b>Eye/face protection</b>	The following protection should be worn: Wear tight-fitting, dust-resistant, chemical splash goggles if airborne dust is generated.
<b>Hand protection</b>	Barrier cream applied before work may make it easier to clean the skin after exposure, but does not prevent absorption through the skin. It is recommended that gloves are made of the following material: Guantes de cuero. The breakthrough time for any glove material may be different for different glove manufacturers. Considering the data specified by the glove manufacturer, check during use that the gloves are retaining their protective properties and change them as soon as any deterioration is detected.
<b>Other skin and body protection</b>	Wear appropriate clothing to prevent repeated or prolonged skin contact. Wear anti-static protective clothing if there is a risk of ignition from static electricity. Appropriate footwear and additional protective clothing complying with an approved standard should be worn if a risk assessment indicates skin contamination is possible. Use barrier creams to prevent skin contact.
<b>Hygiene measures</b>	<p>Do not smoke in work area. Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes contaminated. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke. This product contains silica sands.</p> <p>The grain size distribution of silica sand present means that it is not classified as hazardous. However, any respirable crystalline dust generated by secondary processing may cause health effects.</p> <p>Prolonged and /or massive inhalation of respirable crystalline silica dust may cause lung fibrosis, commonly referred to as silicosis. Principal symptoms of silicosis are cough and breathlessness.</p> <p>Occupational exposure to respirable crystalline silica dust should be monitored and controlled</p>
<b>Respiratory protection</b>	No specific recommendations. Respiratory protection may be required if excessive airborne contamination occurs.

### SECTION 9: Physical and Chemical Properties

#### 9.1. Information on basic physical and chemical properties

<b>Appearance</b>	Powder.
<b>Colour</b>	Silver.
<b>Odour threshold</b>	Not applicable.
<b>pH</b>	Not applicable.
<b>Melting point</b>	Not determined.
<b>Initial boiling point and range</b>	Not determined.
<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>	The product is not flammable.
<b>Other flammability</b>	Not applicable.
<b>Vapour pressure</b>	Not applicable.

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<b>Vapour density</b>	Not determined.
<b>Relative density</b>	1,12
<b>Bulk density</b>	Not determined.
<b>Solubility(ies)</b>	Slightly soluble in water.
<b>Partition coefficient</b>	Not applicable.
<b>Auto-ignition temperature</b>	Not applicable.
<b>Decomposition Temperature</b>	Not determined.
<b>Viscosity</b>	Not applicable.
<b>Explosive properties</b>	Not considered to be explosive. Vapours may form explosive mixtures with air.
<b>Explosive under the influence of a flame</b>	Not considered to be explosive.
<b>Oxidising properties</b>	The mixture itself has not been tested but none of the ingredient substances meet the criteria for classification as oxidising.

### 9.2. Other information

**Other information** Not available.

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

**Reactivity** Can react with water, liberating hydrogen gas. See Section 10.3 (Possibility of hazardous reactions) for further information.

### 10.2. Chemical stability

**Stability** Stable under the prescribed storage conditions.

### 10.3. Possibility of hazardous reactions

**Possibility of hazardous reactions** The following materials may react with the product: Acids. Alkalis. Hydrocarbons - halogenated. Oxidising agents.

### 10.4. Conditions to avoid

**Conditions to avoid** Not relevant.

### 10.5. Incompatible materials

**Materials to avoid** Acids. Alkalis. Hydrocarbons - halogenated.

### 10.6. Hazardous decomposition products

**Hazardous decomposition products** Does not decompose when used and stored as recommended.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

**Toxicological effects** This product has low toxicity.

**Inhalation** Dust in high concentrations may irritate the respiratory system. Symptoms following overexposure may include the following: Coughing.

**Ingestion** May cause discomfort if swallowed.

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<b>Skin contact</b>	Prolonged and frequent contact may cause redness and irritation.
<b>Eye contact</b>	Dust in the eyes will cause irritation.

### SECTION 12: Ecological Information

**Ecotoxicity** The product is not expected to be toxic to aquatic organisms.

#### 12.1. Toxicity

**Toxicity** Not considered toxic to fish.

#### 12.2. Persistence and degradability

**Persistence and degradability** The product is not biodegradable.

#### 12.3. Bioaccumulative potential

**Bioaccumulative potential** Reacts with water.

**Partition coefficient** Not applicable.

#### 12.4. Mobility in soil

**Mobility** Reactions with the following materials may generate heat: Water.

#### 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

**Other adverse effects** None known.

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

**General information** Do not empty into drains, sewers or water courses.

**Disposal methods** Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Empty containers must not be punctured or incinerated because of the risk of an explosion. Do not pressurise, cut, weld, drill, grind or otherwise expose containers to heat or sources of ignition. Note that fully cured material is not considered as hazardous waste.

### 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.

#### 14.4. Packing group

Not applicable.

#### 14.5. Environmental hazards

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### 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 Not applicable.

Annex II of MARPOL 73/78  
and the IBC Code

### SECTION 15: Regulatory information

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

**National regulations** The Control of Substances Hazardous to Health Regulations 2002 (SI 2002 No. 2677) (as amended).

**EU legislation** Commission Regulation (EU) No 453/2010 of 20 May 2010.  
Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).  
Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).

**Guidance** Workplace Exposure Limits EH40.  
Approved Classification and Labelling Guide (Sixth edition) L131.

#### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

### SECTION 16: Other information

**Abbreviations and acronyms used in the safety data sheet** ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.  
CAS: Chemical Abstracts Service.  
DNEL: Derived No Effect Level.  
IATA: International Air Transport Association.  
IMDG: International Maritime Dangerous Goods.  
PBT: Persistent, Bioaccumulative and Toxic substance.  
RID: European Agreement concerning the International Carriage of Dangerous Goods by Rail.  
UN: United Nations.  
vPvB: Very Persistent and Very Bioaccumulative.

**General information** The user must be instructed in the proper work procedure and be familiar with the contents of these instructions.

**Revision comments** NOTE: Lines within the margin indicate significant changes from the previous revision.

**Revision date** 10/05/2018

**Revision** 8a

**Supersedes date** 04/06/2015

**SDS number** 22140

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### Hazard statements in full

H228 Flammable solid.

H261 In contact with water releases flammable gases.

The information on this data sheet represents our current data and is reliable provided that the product is used under the prescribed conditions and in accordance with the application specified on the packaging and/or in the technical guidance literature. Any other use of the product which involves using the product in combination with any other product or any other process is the responsibility of the user.