



The Chemical Company

# Safety data sheet

## EMBECO 885 GROUT

Revision date : 2008/06/23  
Version: 1.1

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(30367733/MDS\_GEN\_US/EN)

### 1. Substance/preparation and company identification

Company  
BASF Construction Chemicals, LLC  
100 Campus Drive  
Florham Park, NJ 07932, USA

24 Hour Emergency Response Information  
CHEMTREC: 1-800-424-9300  
BASF HOTLINE: 1-800-832-HELP

### 2. Composition/information on ingredients

<u>CAS Number</u>	<u>Content (W/W)</u>	<u>Chemical name</u>
65997-15-1	15.0 - 40.0 %	Cement, portland, chemicals
14808-60-7	15.0 - 40.0 %	crystalline silica
7439-89-6	15.0 - 40.0 %	Carbonyl iron powder
1309-37-1	3.0 - 7.0 %	Iron oxide
1305-78-8	1.0 - 5.0 %	calcium oxide
112945-52-5	1.0 - 5.0 %	Silica
7778-18-9	1.0 - 5.0 %	Calcium sulphate
1309-48-4	0.5 - 1.5 %	magnesium oxide
1317-65-3	0.5 - 1.5 %	Limestone

### 3. Hazard identification

#### Emergency overview

WARNING: CAUSES EYE, SKIN AND RESPIRATORY TRACT IRRITATION.

Risk of serious damage to eyes.

In combination with water, repeated or prolonged dermal exposure can cause moderate to severe alkali burns.

Keep container tightly closed.

Avoid inhalation of dusts.

Avoid ingestion.

Avoid contact with the skin, eyes and clothing.

Wash thoroughly after handling.

#### Potential health effects

##### Primary routes of exposure

Routes of entry for solids and liquids include eye and skin contact, ingestion and inhalation. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquified gases.

##### Irritation:

Irritates mucous membranes. Risk of serious damage to eyes.

##### Repeated dose toxicity:

Information on: crystalline silica

*This product may contain greater than 0.1% crystalline silica.*

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*Repeated exposure to high concentrations results in silicosis, a lung disease characterized by coughing, difficult breathing, wheezing, scarring of the lungs, and repeated, non-specific chest illnesses.*

### Potential environmental effects

#### **Aquatic toxicity:**

The ecotoxicological effects are solely caused by the pH.

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## 4. First-aid measures

#### **If inhaled:**

If not breathing, give artificial respiration. Remove victim to fresh air and away from exposure immediately. If necessary, give oxygen.

#### **If on skin:**

Wash thoroughly with soap and water.

#### **If in eyes:**

Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist.

#### **If swallowed:**

Never induce vomiting or give anything by mouth if the victim is unconscious or having convulsions. Do not induce vomiting unless told to by a poison control center or doctor.

Consult a physician. If person is conscious and can swallow, give two glasses of water.

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## 5. Fire-fighting measures

Flash point:

The substance/product is non-combustible.

#### **Suitable extinguishing media:**

alcohol-resistant foam, dry extinguishing media, water fog

#### **Protective equipment for fire-fighting:**

Wear self-contained breathing apparatus and chemical-protective clothing.

#### **Further information:**

Product itself is non-combustible; fire extinguishing method of surrounding areas must be considered. The degree of risk is governed by the burning substance and the fire conditions. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems. Contaminated extinguishing water must be disposed of in accordance with official regulations.

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## 6. Accidental release measures

#### **Personal precautions:**

Avoid dust formation. Use personal protective clothing. Avoid contact with the skin, eyes and clothing.

#### **Environmental precautions:**

Contain contaminated water/firefighting water. Do not discharge into drains/surface waters/groundwater.

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### Cleanup:

Sweep up or vacuum small pieces and dusts and place in appropriate container for disposal. Avoid raising dust. Pack in tightly closed containers for disposal. After cleaning, flush away traces with water.

## 7. Handling and storage

### Handling

#### General advice:

Avoid dust formation. Pour downwind and allow as little free fall as possible while emptying bags into equipment.

### Storage

#### General advice:

The substance/product may cake under the influence of moisture. Keep only in the original container.

#### Storage incompatibility:

General: Segregate from metals. Segregate from acids. Segregate from lyes. Segregate from oxidants. Segregate from foods and animal feeds.

## 8. Exposure controls and personal protection

### Components with workplace control parameters

Cement, portland, chemicals	OSHA	PEL 5 mg/m3 Respirable fraction ; PEL 15 mg/m3 Total dust ;
	ACGIH	TWA value 10 mg/m3 ;
crystalline silica	OSHA	TWA value 2.4 millions of particles per cubic foot of air Respirable ; TWA value 0.1 mg/m3 Respirable ; TWA value 0.3 mg/m3 Total dust ;
	ACGIH	TWA value 0.025 mg/m3 Respirable fraction ;
Iron oxide	ACGIH	TWA value 5 mg/m3 Respirable fraction ;
	OSHA	PEL 5 mg/m3 ;
calcium oxide	ACGIH	TWA value 2 mg/m3 ;
	OSHA	PEL 5 mg/m3 Respirable fraction ; PEL 15 mg/m3 Total dust ;
Calcium sulphate	ACGIH	TWA value 10 mg/m3 Inhalable fraction ;
	OSHA	PEL 15 mg/m3 Total particulate ;
magnesium oxide	ACGIH	TWA value 10 mg/m3 Inhalable fraction ;
	OSHA	PEL 5 mg/m3 Respirable fraction ; PEL 15 mg/m3 Total dust ;
Limestone	OSHA	PEL 5 mg/m3 Respirable fraction ; PEL 15 mg/m3 Total dust ;

### Advice on system design:

Provide local exhaust ventilation to maintain recommended P.E.L.

### Personal protective equipment

#### Respiratory protection:

Wear respiratory protection if ventilation is inadequate. Wear a NIOSH-certified (or equivalent) respirator as necessary.

#### Hand protection:

impermeable gloves

#### Eye protection:

Tightly fitting safety goggles (chemical goggles).

#### Body protection:

Impermeable protective clothing

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### General safety and hygiene measures:

Avoid contact with the skin, eyes and clothing. Avoid inhalation of dusts. In order to prevent contamination while handling, closed working clothes and working gloves should be used. Handle in accordance with good building materials hygiene and safety practice. Food, beverages, and tobacco products shall not be carried, stored, or consumed where this material is in use. Hands and/or face should be washed before breaks and at the end of the shift. Gloves must be inspected regularly and prior to each use. Replace if necessary (e.g. pinhole leaks). Handle in accordance with good industrial hygiene and safety practice.

## 9. Physical and chemical properties

Form:	powder	
Odour:	odourless	
Colour:	grey	
pH value:	approx. 12	
Relative density:		No data available.
Bulk density:	approx. 1,200 kg/m <sup>3</sup>	
Viscosity, dynamic:		No data available.
Solubility in other solvents:		slightly soluble

## 10. Stability and reactivity

**Conditions to avoid:**  
Avoid humidity.

**Substances to avoid:**  
strong oxidizing agents, strong bases, strong acids

**Hazardous reactions:**  
Strong bases are formed on the addition of water. No hazardous reactions if stored and handled as prescribed/indicated.

## 11. Toxicological information

### Acute toxicity

**Oral:**  
No data available.

**Inhalation:**  
No data available.

**Dermal:**  
LD50/rabbit: 2,000 mg/kg  
No mortality was observed.

### Chronic toxicity

**Carcinogenicity:**  
*Information on: crystalline silica*  
The International Agency for Research on Cancer (IARC) has classified this substance as a Group 1 (known) human carcinogen.

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### **Other information:**

Based on our experience and the information available, no adverse health effects are expected if handled as recommended with suitable precautions for designated uses.

The product has not been tested. The statement has been derived from the properties of the individual components.

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## 12. Ecological information

### **Environmental toxicity**

#### **Other ecotoxicological advice:**

The product has not been tested. The statement has been derived from the properties of the individual components.

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## 13. Disposal considerations

#### **Waste disposal of substance:**

Dispose of in accordance with national, state and local regulations.

Recommendations: Use excess product in an alternate beneficial application.

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## 14. Transport information

#### **Land transport**

USDOT

Not classified as a dangerous good under transport regulations

#### **Sea transport**

IMDG

Not classified as a dangerous good under transport regulations

#### **Air transport**

IATA/ICAO

Not classified as a dangerous good under transport regulations

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## 15. Regulatory information

### **Federal Regulations**

#### **Registration status:**

TSCA, US

**OSHA hazard category:** IARC 1, 2A or 2B carcinogen, NTP listed carcinogen, Chronic target organ effects reported, OSHA PEL established, ACGIH TLV established

**SARA hazard categories (EPCRA 311/312):** Acute, Chronic

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### State regulations

#### State RTK

#### CAS Number

65997-15-1  
14808-60-7  
1305-78-8  
7778-18-9  
1309-48-4  
1317-65-3

#### Chemical name

Cement, portland, chemicals  
crystalline silica  
calcium oxide  
Calcium sulphate  
magnesium oxide  
Limestone

#### State RTK

MA, NJ, PA  
MA, NJ, PA  
MA, NJ, PA  
MA, PA  
MA, NJ, PA  
MA, PA

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## 16. Other information

#### HMIS III rating

Health: 2<sup>a</sup>      Flammability: 0      Physical hazard: 1

HMIS uses a numbering scale ranging from 0 to 4 to indicate the degree of hazard. A value of zero means that the substance possesses essentially no hazard; a rating of four indicates high hazard.

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#### Local contact information

NTU/R NAFTA

END OF DATA SHEET