





**7 HANDLING AND STORAGE**

- 7.1 **Handling**                      Use protective equipment (see section 8). Avoid generation of dust and keep dust levels to a minimum.  
Carrying bags can cause personal injury, ensure operation is conducted in accordance with current manual handling legislation.
- 7.2 **Storage**                        Store in a dry environment where possible  
Keep out of reach of children.  
Packed materials should be stored in unopened bags, pallets should remain wrapped and stored in a stable manner in an appropriate storage area.
- 7.3 **Product specific**            Stockpiles should be stored in restricted areas away from children and animals, consideration should be given to the potential hazard of slippage

**8 EXPOSURE CONTROLS AND PERSONAL PROTECTION**

**8.1 Exposure limit values**

WEL 8 Hr TWA (Time Weighted Average)	10 mg m <sup>-3</sup>	Total inhalable dust
	4 mg m <sup>-3</sup>	Respirable dust

**8.2 Exposure controls**

8.2.1



**General**

Avoid contact with skin and eyes, minimise generation of dust. Wear personal protective equipment and wash exposed skin and face after use. The use of barrier cream may also be considered.

8.2.1a



**Respiratory Protection**

Use respiratory protection compliant with appropriate EU standard. Air stream helmets should be used for heavy or prolonged exposure.

8.2.1b



**Hand Protection**

Hand protection is recommended for prolonged exposure, as good practice wash hands after use

8.2.1c



**Eye Protection**

Goggles with side protection or a full face shield are recommended. Access to emergency eye-wash is recommended

8.2.1d



**Skin protection**

Use appropriate closed long sleeved protective clothing. Suitable safety footwear should be used.

8.2.2

**Environmental exposure controls**

Follow best practice for site management and disposal of waste

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**9 PHYSICAL AND CHEMICAL PROPERTIES**

**9.1** Appearance White powder, granular or grit

Odour None

**9.2** Physical data

pH 7 to 8 in aqueous solution  
Solubility Slight (~0.1 to 1.0 g in 100 ml water), freely soluble in acid  
Boiling/Melting point Decomposition at 580 °C to CaO and water  
Flammability Not flammable  
Explosive properties Not explosive  
Particle size Approx 5 µm to granular chips  
Density (dry) 1.0 to 1.6 tonne m<sup>-3</sup>

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**10 STABILITY AND REACTIVITY**

**Stability** Stable under normal conditions of use and storage (see section 7).

**10.1 Conditions to avoid** Keep material clean and dry

**10.2 Materials to avoid** Acid, oxidizing agents, magnesium, aluminium

**10.3 Hazardous decomposition products**

**Decomposition** When heated in excess of 580 °C calcium oxide may be formed  
When heated in excess of 825 °C calcium oxide fumes and carbon dioxide are liberated.

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**11 TOXICOLOGICAL INFORMATION**

LD50 oral (rat) 6450 mg / kg

**11.1 Acute effects**

**Eye contact** Direct contact with product may cause corneal damage by mechanical abrasion, inflammation or irritation.

**Skin contact** Exposure to product may cause cracking or drying of the skin.

**Ingestion** Large quantities may cause irritation to the gastrointestinal tract.

**Inhalation** May irritate the respiratory tract, coughing, sneezing and shortness of breath may occur following exposure to levels in excess of occupational exposure limits

**11.2 Chronic effects**

**Inhalation** Chronic exposure in excess of occupational exposure limits may cause damage to the respiratory tract.

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**12 ECOLOGICAL INFORMATION**

**12.1 Ecotoxicity** The product is not expected to be hazardous to the environment under normal conditions of use. Naturally occurring product widely used in agriculture.

**12.2 Mobility** Not expected to transport to groundwater in case of spill, dust may become airborne.

**12.3 Persistence and degradability**

Inorganic material : no adverse effect would be expected.

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**13 DISPOSAL CONSIDERATIONS**

Dispose of waste material and empty sacks at a site authorised to waste or according to local and national regulations.

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**14 TRANSPORT INFORMATION**

**Classification** Not classified as hazardous for air, sea or road freight.  
No special precautions apply, refer to section 8

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**15 REGULATORY INFORMATION**

**15.1 Classification** not classified

Regulation (EC) No. 1272/2008.

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