

SAFETY DATA SHEET

Classification according to Regulation (EC) No 1272/2008

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING**1.1 Identification of the substance/preparation**Product Range **LIMESTONE (Calcium carbonate)**

Data sheet applies to:

Limestone Whiting	Limestone KF03	Limestone Coarse Whiting	Limestone KF30
Limestone Grits	Limestone Chips	Limestone Fine Granular	Mastic Filler Grade
Limestone Sands	Asphalt Filler	Limestone Feed Material 38% Ca	Calcite

1.2 Use of substance/preparation

Bagged or bulk limestone for use in various applications within the building industry, animal feed stuffs and use as a neutralising agent in agriculture and horticulture.

1.3 Company/undertaking identification

Kilwaughter Minerals Limited

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In the event of a medical enquiry involving this product, contact your doctor or local hospital A&E department

2 HAZARD IDENTIFICATION**Hazard statement: None**

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

Under normal conditions of use this material is not expected to be harmful:
Dust may cause minor temporary irritation to the eyes and respiratory system

Under normal use this product is not expected to be harmful to the environment

Precautionary statements






P102 Keep out of reach of children
P261 Avoid breathing dust
P281 Use personal protective equipment as required
P337+P313 If eye irritation persists: get medical advice

3 COMPOSITION/INFORMATION ON INGREDIENTS**3.1** Naturally occurring mineral limestone from geological origin

consisting of: approximately 98% calcium carbonate
approximately 2% silicon dioxide (as flint)
may contain naturally occurring trace metals

3.2 Limestone CAS No. 1317-65-3

4 FIRST AID MEASURES

- 4.1  If contacting a physician, take this product safety data sheet with you.
- 4.2  **After skin contact**
Rinse off with soap and water.
- 4.3  **After significant ingestion**
Non toxic
Seek medical advice in the unlikely event of copious quantities being ingested
- 4.4  **After significant inhalation**
Move person to fresh air
Seek medical treatment if irritation or discomfort occurs
- 4.5  **After contact with eyes**
Irrigate eyes with isotonic eye wash or clean water (remove contact lens if applicable). Do not rub eyes as mechanical damage to the cornea is possible.
Obtain medical advice if irritation occurs

5 FIRE FIGHTING MEASURES

- 5.1 **Flammability** The substance is non-flammable
- 5.2 **Fire fighting media** Use most appropriate measure or media to extinguish surrounding fire.
- 5.3 **Explosion** Not considered to be an explosion hazard
- 5.4 **Combustion products** When heated in excess of 580 °C some calcium oxide may be formed

6 ACCIDENTAL RELEASE MEASURES

- 6.1 **Personal precautions** Avoid contact with skin and eyes, keep dust levels to a minimum (See section 8). Ensure adequate ventilation or suitable respiratory protective equipment is used.
- 6.2 **Environmental precautions** Contain the spillage – not expected to present any environmental risk.
- 6.3 **Methods for cleaning up** **For dry spills** avoid actions that cause dust to become airborne. Spills should be swept or scooped up mechanically and containerised for disposal or reprocessing. Vacuuming may be used to reduce dust.

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⁻³ Total inhalable dust
4 mg m⁻³ 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 if generation of dust cannot be adequately controlled. A tight fitting mask is recommended. Respirators should provide a protection level of FFP2 (P2). Employers are responsible for providing proper training to employees in the correct use of respiratory protection.

8.2.1b

Hand Protection



Hand protection is recommended for prolonged exposure, as good practice wash hands after use. Impermeable nitrile glove are recommended, Nitrile rubber disposable gloves for light duties Nitrile coated industrial gloves for heavy duties

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

9 PHYSICAL AND CHEMICAL PROPERTIES

9.1 Appearance Fine 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 1 µm to granular chips
Density (dry) 1.0 to 1.6 tonne m⁻³

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.

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.

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.

13 DISPOSAL CONSIDERATIONS

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

14 TRANSPORT INFORMATION

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

15 REGULATORY INFORMATION

15.1 Classification not classified

Regulation (EC) No. 1272/2008.

16 OTHER INFORMATION**16.1 Hazard Statements:**

None

16.2 Precautionary Statements

P102 Keep out of reach of children
P261 Avoid breathing dust
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P337+P313 **If eye irritation persists:** get medical advice

16.3 Further information

For technical advice contact technical sales : Tel **+44 (0)28 2826 0766**
Fax **+44 (0)28 2826 0136**

e-mail Sales@Kilwaughter.com web www.Kilwaughter.com

16.4 Guidance and reference

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This data sheet is supplementary to other technical instruction and guidance and does not replace them.

This information is based on data currently available and is correct to the best of our knowledge at the time of publication. This information is given as guidance in assessing safe handling, storage, and use. Recipients of the product must take responsibility for the safe use and disposal of product observing existing laws, regulations and accepted best working practice.

16.5 Revision

Last revision: September 2017
