

PRODUCT 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 **HORTICULTURAL LIME**
 Data sheet applies to: **Horticultural Lime Calcium Magnesium Carbonate Mag Granular**
Mag Fines

1.2 Use of substance/preparation

Horticulture / agriculture

1.3 Company/undertaking identification

Kilwaughter Minerals Limited

9 Starbog Road
 Larne
 Co. Antrim
 Northern Ireland
 BT40 2TJ

Tel **+44 (0)28 2826 0766**
 Fax **+44 (0)28 2826 0136**

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

1.4 Emergency telephone

Available during office hours **+44 (0)28 2826 0766**
 European emergency number **112**

2 HAZARD IDENTIFICATION

Hazard Statements: 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 dolomitic limestone from geological origin

consisting of: calcium magnesium carbonate : CaCO₃ MgCO₃
 may contain naturally occurring trace elements and compounds.

3.2 Calcium magnesium carbonate CAS No. 16389-88-1 >98% w/w
 (CaO : ~31% MgO ~20%)

4 FIRST AID MEASURES

- 4.1  If contacting a physician, take this product safety data sheet with you.
- 4.2  **After skin contact**
Remove contamination and rinse with water. Seek medical treatment if irritation occurs
- 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 additional 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 calcium oxide and magnesium 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** 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

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.
- 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

9 PHYSICAL AND CHEMICAL PROPERTIES

9.1 Appearance of white to light brown powder or granular

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 temperatures in excess of 580 °C to calcium and magnesium oxide. |
| Flammability | Not flammable |
| Explosive properties | Not explosive |
| Particle size | Approx 5 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 Freely soluble in acid

10.3 Hazardous decomposition products

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

11 TOXICOLOGICAL INFORMATION

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 irreversible 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.

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

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16 OTHER INFORMATION**16.1 Risk Phrases:**

None

16.2 Precautionary Statements

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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 2016
