# 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 G-Lime (Granulated Limestone)

# 1.2 Use of substance/preparation

Bagged or bulk granulated lime for use as a soil amendment product in agriculture, horticulture and amenity. (pH adjustment and mineral additive)

## 1.3 Company/undertaking identification

Kilwaughter Chemical Company Limited

9 Starbog Road Tel +44 (0)28 2826 0766 Larne Fax +44 (0)28 2826 0136 Co. Antrim

Northern Ireland 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

Wear suitable protective clothing, eye and hand protection

Avoid breathing dust

Wash with hands after use

**IF IN EYES**: Rinse cautiously with water for several minutes, do not rub eyes as mechanical irritation can occur

### 3 COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Naturally occurring calcium carbonate from geological origin

consisting of: approximately 95% as calcium carbonate with trace of organic binder

**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 of 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

6



### 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

# ACCIDENTAL RELEASE MEASURES

**6.1 Personal precautions** Avoid contact with skin and eyes, keep dust levels to a minimum

(See section 8).

**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<sup>-3</sup>

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.

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**

Dust tight goggles 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 Granulated limestones are spherical particulate solids

Solids can vary in shade from cream to brown

Odour slight

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 conditions

Boiling/Melting point Decomposition at >580 °C to CaO/MgO and water

Flammability Not flammable Explosive properties Not explosive

Particle size Granulated pellet size : Ø typically 2 to 5 mm

Constituent particulate size: approximately 5 µm to 125 µm

Density (dry) up to 1.3 tonne m<sup>-3</sup>

### 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, aluminium

10.3 Hazardous decomposition products

**Decomposition** When heated in excess of 580 °C calcium oxide / magnesium oxide may be formed

When heated in excess of 825 °C 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

(dust)

**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 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.

### 13 DISPOSAL CONSIDERATIONS

Dispose of waste material and empty packaging at a waste disposal facility authorised to accept such waste in accordance with 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

P281 Use personal protective equipment as required 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 2016