

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 **MasterCAL Bedding Lime**Data sheet applies to: **MasterCAL**

1.2 Use of substance/preparation

Bagged or bulk limestone and hydrated lime (calcium hydroxide) blend bedding for use in animal cubicles and sheds.

1.3 Company/undertaking identification

Kilwaughter Minerals Limited

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Larne
Co. Antrim
Northern Ireland
BT40 2TJTel **+44 (0)28 2826 0766**Fax **+44 (0)28 2826 0136**e-mail Sales@Kilwaughter.comweb www.Kilwaughter.com

1.4 Emergency telephone

Available during office hours **+44 (0)28 2826 0766**

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

2 HAZARD IDENTIFICATION

2.1 Classification of the substance or mixture

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Not classified

2.2 Label elements

Pictogram None

Signal word Warning

Hazard statement(s)

H335 May cause respiratory irritation.**H319** Causes serious eye irritation

Precautionary statement(s)

P102 Keep out of reach of children**P261** Avoid breathing dust**P281** Use personal protective equipment as required**P305 + P351 + P338 IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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

3 COMPOSITION/INFORMATION ON INGREDIENTS**3.1** mineral limestone from geological origin and hydrated lime

consisting of:

MasterCAL > 90% calcium carbonate : < 10% hydrated lime
May contain naturally occurring trace elements

3.2 Limestone CAS No. 1317-63-3
Calcium Hydroxide (Hydrated lime) CAS No. 1305-62-0

4 FIRST AID MEASURES**4.1**

If contacting a physician, take this product safety data sheet with you.
No known delayed effects

MasterCAL is not acutely toxic via the oral, dermal, or inhalation route. The substance may be irritating to the skin and respiratory tract, and entails a risk of damage to the eye due to local pH effect

4.2**After skin contact**

Carefully and gently brush contaminated body surfaces in order to remove all traces of product. Wash affected areas immediately with plenty of water. Remove contamination and rinse with copious water. If necessary seek medical advice.

4.3**After significant ingestion**

Do not induce vomiting, if person is conscious wash mouth with water and give copious quantities of water to drink.
Seek medical advice immediately

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) for at least 15 minutes. Do not rub eyes as additional mechanical damage to the cornea is possible.
Obtain medical advice if irritation persists

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

6.1.1 For emergency and non-emergency personnel

Ensure adequate ventilation
Keep dust levels to a minimum
Keep unprotected persons away
Avoid contact with skin and eyes, wear suitable protective equipment(See section 8).

6.2 Environmental precautions Contain the spillage, keep the material dry if possible. Do not wash into water courses or drainage systems as this can cause a rapid pH change harmful to the aquatic environment

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.

7.1.1 General occupational hygiene.

Avoid inhalation or ingestion and contact with skin and eyes. General occupational hygiene measures are required to ensure safe handling of the substance. These measures involve good personal and housekeeping practices(i.e general cleaning and wash facilities), no drinking, eating or smoking in work areas. Do not wear contaminated clothing in domestic environments.

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. Movement and stacking of IBC bulk bags must be conducted in accordance with manufactures instruction given on the bag.

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. Do not smoke eat or drink when using product

8.2.1a

**Respiratory Protection**

Use respiratory protection when handling this substance.
A tight fitting mask - protection factor of 10 or greater is recommended due to the fine particle size of the substance.
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 and dermal exposure should be minimised as far as technically achievable.

Impermeable glove:

Material : Nitrile Rubber (CE marked)

Minimum layer thickness 0.11 mm Breakthrough time >480 min

Regularly inspect gloves for damage, if damage observed wash and dry any exposed skin and replace glove before work recommences.(see section 4)

As good practice wash hands after using this substance, follow good hygiene practices.

8.2.1c

**Eye Protection**

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

8.2.1d

**Skin protection**

Use appropriate closed long sleeved protective clothing. Working clothes fully covering skin, full length trousers, long sleeved overalls, with close fittings at openings are recommended.
Suitable safety footwear that prevents ingress or entrapment of the substance 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 White powder
Odour None

9.2 Physical data

pH >11 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 200 µm
Density (dry) 1.0 to 1.2 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 may be formed
When heated in excess of 825 °C calcium 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.
Larger amounts of contact may cause effects from moderate eye irritation to chemical burns and irreversible damage

Skin contact Exposure to dry or wet product may cause cracking or lesions in the skin. Prolonged contact can cause burns.

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 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 statement(s)**

H335 May cause respiratory irritation.

H319 Causes serious eye irritation

16.2 Precautionary statement(s)

P102 Keep out of reach of children

P261 Avoid breathing dust

P281 Use personal protective equipment as required

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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
