

MATERIAL SAFETY DATA SHEET

1 Product Identification

Synonyms:	none,	Calcium Carbonate	CAS No. 471-34-1
		Portland Cement	CAS.No.65997-15-1
		Hydrated Lime	CAS No. 1305-62-0
Company	Kilwaughter Chemical Co. Ltd. 9 Starbog Road Larne Northern Ireland BT40 2TJ T: 028 2826 0766		

2 Composition / Information on Ingredients

A blend of Calcium Carbonate CaCO_3 : > 50% by weight
 Portland Cement < 50% by weight
 Calcium Hydroxide Ca(OH)_2 < 10% by weight
 With the addition of small quantities of polymer admixtures and silicones < 10% by weight
 May contain trace heavy metals and chromium

3 Hazard Assessment

CAUTION CONTAINS CEMENT: -HARMFUL IF SWALLOWED OR INHALED, MAY CAUSES BURNS TO SKIN AND EYES ON CONTACT WITH BODILY FLUIDS, CAUSES IRRITATION TO RESPIRATORY TRACT

Inhalation	Harmful by inhalation	R20
Ingestion	Harmful if swallowed	R22
Skin contact	Harmful in contact with skin	R21
	Causes burns	R34
Eye contact	Risk of serious damage to eyes	R41
Chronic Exposure	May cause sensitisation by skin contact	R43

4 First Aid Measures

Inhalation	Remove from source to fresh air. Get medical assistance for any breathing difficulties.
Ingestion	Do not induce vomiting, wash mouth and give water to drink, seek medical advice.
Skin contact	Wash exposed area with soap and water, remove contaminated clothing and get medical advice if irritation occurs.
Eye contact	Wash immediately with copious quantities of clean water for at least 15 minutes and seek urgent medical attention

5 Fire Fighting Measures

Fire	Presents no fire hazard.
Explosion	Not considered to be an explosion hazard.
Fire fighting media	Use most appropriate measure to extinguish surrounding fire.

6 Accidental Release Measures

For dry spills avoid actions that cause dust to become airborne. Wear appropriate personal protective equipment to clean area. Spills should be swept or scooped up and containerised for disposal or reprocessing. Vacuuming may be used to reduce dust. Allow wet material to set before disposal. DO NOT FLUSH CAUSTIC MATERIAL INTO SEWER SYSTEM

7 Handling and Storage

Store in a dry environment were possible. Care should be taken to avoid the generation of dust..

8 Exposure Controls

OES 8 Hr TWA (Time Weighted Average)	10 mg m_3 inhalable dust 5 mg m_3 respirable dust
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In case of contact with eyes, rinse immediately with plenty of water and seek medical advice	S26
Do not breath dust,	S22
Avoid contact with skin	S24
After contact with skin, wash immediately with plenty of soap and water.	S28
Wear eye face protection	S39
In case of insufficient ventilation wear suitable respiratory equipment	S38
Keep out of reach of children	S2
Wear suitable protective clothing	S36

9 Physical and Chemical Properties

Appearance	Coloured granular powder blend.	Explosive properties	Not explosive
Particle size	5 µm to 8 mm	Flash point	n/a
Odour	Odourless.	Melting point	n/a
pH	12 to 14 when wet	Volatiles by volume	trace
Solubility	~0.1 to 1.0 g in 100 ml water.	Density (dry)	1.2 to 1.8 kg m ₃

10 Stability and Reactivity

Stability	Stable under normal conditions of use and storage.
Decomposition	When heated in excess of 825 °C calcium oxide fumes and carbon dioxide are liberated. When heated excessively for prolonged periods quick lime [CaO] may be generated.
Incompatibilities	Acids, Fluorine, Magnesium & Hydrogen, Ammonium salts and Alum.

11 Toxicological Data

No recorded information for LD50 / LC50 is available for normal occupational exposure.	
Effects of exposure and routes of entry	section 3
Exposure limits	section 8

12 Ecological Data

Environmental fate and toxicity: May be toxic to aquatic life due to pH change.
Do not discharge material into natural waterways.

13 Disposal Considerations

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

14 Transport Regulations

Not classified as hazardous for air, sea or road freight.

15 Regulatory Information

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Risk Phrases		
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16 Other Information

Last revised July 2008

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 use and disposal of product observing existing laws and regulations. K-Post supplied by Kilwaughter Chemical Co. Ltd. contains naturally occurring product and as such, minor batch-to-batch variations are inevitable.

Kilwaughter Chemical Co Ltd

9 Starbog Rd, Larne, Co. Antrim, N. Ireland, BT40 2TJ
Tel: 028 2826 0766 Fax: 028 2826 0136
Email: Sales@Kilwaughter.com
www.K Rend.co.uk

Irish Aggregates Ltd

Classis, Ovens, Co. Cork, Ireland
Tel: 021 4872733 Fax: 021 4871705
Email: info@IrishAggregates.ie
www.IrishAggregates.com