

MATERIAL SAFETY DATA SHEET

1. Product Identification

Synonyms:	K Lime, Hydraulic Calcium Hydroxide Hydraulic Lime Mortar	Calcium Carbonate Hydraulic Lime	CAS No. 471-34-1 CAS.No.1305-62-0
	Company Kilwaughter Chemical Co. Ltd. 9 Starbog Road Larne Northern Ireland BT40 2TJ	☐	028 2826 0766

2 Composition / Information on Ingredients

A blend of:	Calcium Carbonate CaCO ₃ :	> 50% by weight
Hydraulic lime		< 50% by weight
With the addition of small quantities of protein and cellulose additives		< 10% by weight

3 Hazard Assessment

Irritant.	Irritating to eyes and skin	
Risk	Inhalation Irritating to respiratory system.	R37
	Skin contact Irritating to the skin	R38
	Eye contact Risk of serious damage to eyes	R41
	Ingestion May cause irritation	

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 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 dry media to extinguish surrounding fire as water forms a caustic solution on contact.

6 Accidental Release Measures

For dry spills avoid actions that cause dust to become airborne. Wear appropriate personal protective equipment to clean area (see section 8). Spills should be swept or scooped up and containerised for disposal or reprocessing. Vacuuming may be used to reduce dust. If the material is wet allow it to set prior to disposal.
DO NOT FLUSH CAUSTIC MATERIAL INTO WATER COURSES OR DRAINS

7 Handling and Storage

Store in a dry environment and in original packaging where possible. Care should be taken to avoid the generation of dust. Avoid contact with skin and eyes.

8 Exposure Controls

OEL 8 Hr TWA (Time Weighted Average) 5 mg m³

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

9 Physical and Chemical Properties

Appearance	Off white granular powder blend.	Explosive properties	Not explosive
Particle size	5 µm to 4 mm	Odour	Odourless.
pH	12 to 14 when wet	Volatiles by volume	trace
Solubility	~0.1 to 1.0 g in 100 ml water.	Density (dry)	1.4 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 580°C calcium oxide fumes and carbon dioxide are liberated.
Incompatibilities	When heated excessively for prolonged periods quick lime [CaO] may be generated. Acids, Aluminium.

11 Toxicological Data

Non toxic	
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

Classification	Irritant	
Risk phrases		
Irritating to respiratory system.		R37
Irritating to the skin		R38
Risk of serious damage to eyes		R41
Safety Phrases		
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
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In case of insufficient ventilation wear suitable respiratory equipment		S38
Keep out of reach of children		S2

16 Other Information

Last revised June 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 Lime supplied by Kilwaughter Chemical Co. Ltd. contains naturally occurring product and as such, minor batch-to-batch variations are inevitable.

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