


K-REND EXTERNAL RENDER

1 Product Identification

Synonyms: Base Coat, Brick-Rend, Com-Rend, Silicone Com-Rend, Dash Receivers, Roughcast, Spray-Rend, Silicone Spray-Rend, Silicone Spray-Rend E-Grade.

Company	Kilwaughter Chemical Co. Ltd. 9 Starbog Road Larne Northern Ireland BT40 2TJ	Calcium Carbonate	CAS No. 471-34-1
		Portland Cement	CAS.No.65997-15-1
		Hydrated Lime	CAS No. 1305-62-0

 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 HARMFUL IF SWALLOWED OR INHALED, CAUSES BURNS TO SKIN AND EYES ON CONTACT WITH BODILY FLUIDS, CAUSES SEVERE IRRITATION TO RESPIRATORY TRACT

Potential Effect on health

Inhalation	May cause irritation to respiratory system, long term exposure may result in serious lung injury..	R20
Ingestion	Gastric irritant: severe pain and internal injuries if large quantities are swallowed.	R22
Skin contact	Exposure to dry material may cause delayed irritation and drying of the skin	R21
	Exposure to wet material cause severe skin damage including cracking, thickening or caustic burns	R66
Eye contact	May range from minor irritation to chemical burns and permanent damage	R41

Chronic Exposure: - Some individuals may exhibit an allergic response upon exposure to material

4 First Aid Measures

Inhalation	Remove from source to fresh air. Get medical assistance for any breathing difficulties.
Ingestion	If large amounts are swallowed, 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 where 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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Personal Protective Equipment

Eye protection and eye wash facilities are recommended.	S26
A dust mask conforming to BS EN 149:2001 or better should be worn.	S22
Overalls or other protective clothing are recommended.	S36
Avoid contact with eyes and skin.	S37
Hands should be washed immediately after contact.	S28
Protective goggles should be worn when spraying	S39
Local ventilation or extract systems are recommended to maintain dust levels at a minimum in the general working area.	

9 Physical and Chemical Properties

Appearance	Coloured granular powder blend.	Explosive properties	Not explosive
Particle size	5 µm to 2 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.
Calcium hydroxide data Oral rat LD50 7340 mg/kg : Cyt -rat/ast 1200mg/kg : Eye -rbt 10mg severe
Effects of exposure and routes of entry section 3
Exposure limits section 8
Carcinogenicity Silicates and chromium have been linked to increased cancer rates
No record of reproductive toxicity, teratogenicity or mutagenicity

12 Ecological Data

Environmental fate and toxicity: May be toxic to aquatic life due to pH change.
For calcium hydroxide; toxicity level - 92 ppm / 7 hr / trout / fresh water
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	Contact with wet cement or wet mortar may cause irritation, dermatitis or burns. Contact between powder and body fluids (e.g. sweat and eye fluids) may cause irritation, dermatitis or burns. There is a risk of serious damage to the eyes.
Safety Phrases	Wear suitable protective clothing, gloves and eye / face protection. In case of contact with eyes, rinse immediately with plenty of clean water and seek medical advice. Keep out of reach of children.

16 Other Information

Last revised December 2005

This information is based on data currently available and is correct to the best of our knowledge and does not act as a guarantee
Recipients of the product must take responsibility for use and disposal of product observing existing laws and regulations.
K-Rend supplied by Kilwaughter Chemical Co. Ltd. contains naturally occurring product and as such, minor batch-to-batch variations are inevitable.
