KREND Kilwaughter Chemical Company Limited

KILWAUGHTER CHEMICAL COMPANY LIMITED

PRODUCT SAFETY DATA SHEET

(In accordance with Annex II of REACH regulation)

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

1.1 Identification of the substance/preparation

Product Range **K REND BASE COATS**
Data sheet applies to: **Standard Base Coat** **Fibre Base Coat** **UF Base Coat**
HP12 Base Coat **HPX Base Coat**

1.2 Use of substance/preparation

Dry bagged pre blended render base coat. Used in various application within the building industry, typically applied to masonry or other building substrates prior to the finish coat.

1.3 Company/undertaking identification

Kilwaughter Chemical Company Limited

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1.4 Emergency telephone

Available during office hours **+44 (0)28 2826 0766**
European emergency number **112**

2 HAZARD IDENTIFICATION

Xi Irritant

Risk Phrases

R37 Irritating to the respiratory system
R38 Irritating to the skin
R41 Risk of serious damage to eyes
R43 May cause sensitisation by skin contact

Warning May cause burns to skin, eyes and mucus membrane on contact with bodily fluids or water.

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

3 COMPOSITION/INFORMATION ON INGREDIENTS

3.1 A blend of limestone, hydrated lime and ordinary portland cements.
With addition of polymers, mineral clays, polypropylene fibres and cellulose derivatives

3.2

Ordinary portland cements (OPC)	CAS.No. 65997-15-1	<25% $^{w}/_{w}$	Xi	**R37 R38 R41 R43**
Hydrated Lime	CAS No. 1305-62-0	<10% $^{w}/_{w}$	Xi	**R37 R38 R41**
Limestone	CAS No. 1317-63-3	>50% $^{w}/_{w}$	Xi	**R36 R37** *see section 16*

4 FIRST AID MEASURES

4.1 

If contacting a physician, take this product safety data sheet with you.

4.2 

After skin contact

For dry powder, remove contamination and rinse with copious water.
For wet product, wash skin with water. Remove contaminated clothing.
Seek medical treatment in all instances of irritation or burns

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 45 minutes. Do not rub eyes as additional mechanical damage to the cornea is possible.
Obtain medical advice

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. If using water be aware of potential for strong alkali run-off.
5.3	**Explosion**	Not considered to be an explosion hazard
5.4	**Combustion products**	When heated in excess of 580 ^{O}C some calcium oxide may be formed

6 ACCIDENTAL RELEASE MEASURES

6.1	**Personal precautions**	Avoid contact with skin and eyes, minimise dust levels (See section 8). Ensure adequate ventilation or suitable respiratory protective equipment is used.
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**	**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. **For wet spills (mixed material)** allow the material to set if it presents no risk to watercourse or drains. Alternatively transfer to container and allow to set.

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 and minimise contact with moisture.
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

Products have a maximum recommended shelf life of one year from manufacture date under ideal conditions. Expired products should be disposed of according to local legislation

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
	4 mg m^{-3}	Respirable 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. The use of barrier cream may also be considered. Do not smoke eat or drink when using product

8.2.1a Respiratory Protection

Use respiratory protection compliant with appropriate EU standard. Air stream helmets should be used for heavy or prolonged exposure.

8.2.1b Hand Protection

Use impermeable gloves, as good practice wash hands after use

8.2.1c Eye Protection

Tight fitting goggles with side protection or a full face shield are recommended. Access to emergency eye-wash is recommended

8.2.1d Skin protection

Use appropriate closed long sleeved protective clothing, if contact with wet mortar is likely then waterproof clothing should be considered. 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 — Grey to white granular powder blend.

Odour — Slightly earthy odour

9.2 Physical data

pH	> 12 in aqueous solution
Solubility	Slight (~0.1 to 1.0 g in 100 ml water)
Boiling/Melting point	Decomposition at 580 ^{o}C to CaO and water
Flammability	Not flammable
Explosive properties	Not explosive
Particle size	approx 5 µm to granular chips
Density (dry)	1.2 to 1.6 tonne m^{-3}

10 STABILITY AND REACTIVITY

Stability — Stable under normal conditions of use and storage (see section 7). Will harden to a stable mass following addition of water.

10.1 Conditions to avoid — Exposure to moisture and high humidity during storage will adversely affect the product.

10.2 Materials to avoid — Exposure to aluminium can liberate hydrogen gas

10.3 Hazardous decomposition products

Decomposition — When heated in excess of 580 ^{o}C calcium oxide may be formed
When heated in excess of 825 ^{o}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 severe 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.

Contact dermatitis / Sensitising effect

Some individuals may exhibit eczema upon repeated exposure to the wet product, caused by either the high pH inducing contact dermatitis or by an allergic reaction cause allergic contact dermatitis.

12 ECOLOGICAL INFORMATION

12.1 Ecotoxicity The product is not expected to be hazardous to the environment under normal conditions of use. Large amounts of product entering the aquatic environment may be toxic to aquatic life due to the significant rise in pH.

12.2 Mobility Not expected to transport to groundwater in case of spill, dust may become airborne.

12.3 Persistence and degradability

Inorganic material, after product has hardened it affords no toxic risk

13 DISPOSAL CONSIDERATIONS

Dispose of waste material and empty sacks at a site authorised to accept builders waste or according to local and national regulations.
Materials that have exceeded the shelf life should not be used and should be disposed of in accordance to local and national legislation.

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 IRRITANT Xi

Directive 67/548/EEC

16 OTHER INFORMATION

16.1 Risk Phrases

R37 Irritating to the respiratory system
R38 Irritating to the skin
R41 Risk of serious damage to eyes
R43 May cause sensitisation by skin contact

16.2 Safety Phrases

S2 Keep out of reach of children
S22 Do not breathe dust
S25 Avoid contact with eyes
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
S24 Avoid contact with skin
S36 Wear suitable protective clothing
S37 Wear suitable gloves
S39 Wear eye / face protection

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

Data sheet updated in accordance with REACH Directive Annex II

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 : November 2010