K Rend
Silicone Coloured Renders

PRODUCT 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 **K REND FINISH COATS**
Data sheet applies to:

Silicone FT	**Silicone WP**	**Comrend S**
Silicone Overcoating Dash	**Silicone Dash Receiver**	**Brick Rend**
Standard Dash Receiver	**Silicone Roughcast**	**Silicone Tyrolean**
K1 Spray Render	**Traditional Mortar**	**Silicone Spray Dash Receiver**
LW1 (Lightweight one coat)	**Silicone Spray E Grade**	

1.2 Use of substance/preparation

Dry bagged renders for use in various applications within the building industry, typically used as an external finish on masonry substrates

1.3 Company/undertaking identification

Kilwaughter Minerals Limited
9 Starbog Road
Larne
Co. Antrim
Northern Ireland
BT40 2TJ

Tel **+44 (0)28 2826 0766**
Fax **+44 (0)28 2826 0136**

e-mail Sales@Kilwaughter.com
web www.Kilwaughter.com

1.4 Emergency telephone

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

2 HAZARD IDENTIFICATION

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No1272/2008

Pictograms:

Signal word: **Danger**

H315	Causes skin irritation
H317	May cause allergic skin reaction
H318	Causes serious eye damage

P102	Keep out of reach of children
P261	Avoid breathing dust
P264	Wash hands thoroughly after handling
P280	Wear protective gloves/protective clothing/eye protection
P302+P352	IF ON SKIN: wash with plenty of soap and water
P332+P313	IF SKIN irritation occurs: get medical advice
P305+P351 P338	IF IN EYES: Rinse cautiously with water for several minutes, remove contact lenses, if present and easy to do. Continue rinsing
P362	Take off contaminated clothing and wash before reuse

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

Recipients of WBS products must take responsibility for existing laws and regulations and at all times operate within the Health and Safety guidance on the use of these products.
This is a direct copy of the manufacturers Safety Data Sheet, and Wetherby Building Systems Ltd takes no responsibility for the contents.

3 COMPOSITION/INFORMATION ON INGREDIENTS

3.1 A blend of limestone, hydrated lime, ordinary portland cements and binders.
With addition of surfactants, polymers and cellulose derivatives

3.2 MIXTURE

Component	CAS.No.	EC No.		Classification	Percent $^{w}/_{w}$
Ordinary portland cements (OPC)	65997-15-1	266-043-4		H315 causes skin irritation H317 May cause allergic skin reaction H318 causes serious eye damage H335 may cause respiratory irritation	<25% $^{w}/_{w}$
Hydrated Lime	1305-62-0	215-137-3		H315 causes skin irritation H318 causes serious eye damage H335 may cause respiratory irritation	<10% $^{w}/_{w}$

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 burn

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, keep dust levels to a minimum (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 when handling this substance.
A tight fitting mask confirming to EN140:1998 or better is recommended.
Respirators should provide a protection level of FFP3 (P3), and an assigned 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.
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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 — Coloured 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 °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 1.8 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 °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 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 the high pH inducing 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

Pictograms:

Signal word: Danger

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16 OTHER INFORMATION

16.1 Hazard statements

H315	**Causes skin irritation**
H317	**May cause allergic skin reaction**
H318	**Causes serious eye damage**

16.2 Precautionary statements

P102	**Keep out of reach of children**
P261	**Avoid breathing dust**
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P305+P351 P338	**IF IN EYES: Rinse cautiously with water for several minutes, remove contact lenses, if present and easy to do. Continue rinsing**
P362	**Take off contaminated clothing and wash before reuse**

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 2016