

PRODUCT SAFETY DATA SHEET HS-PD-001

(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	INSULETICS FINISH COATS			
Data sheet applies to:	Insul-Sil FT	Insul-Sil-WP	Insul-Mace	Insul-Mace MS
	Insul-Sil Spray E		Insul-Dash Render	Insul-Sil Spray Dash Render
	Insul-Sil Silicone Dash Render		Insul-Sil Roughcast Render	
	Insul-Sil Overcoating Dash Render	Insul-Rend		

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

Insuletics Limited

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Genesis Centre
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Fax: **+44 (0)1782 366091**

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web: www.insuletics.co.uk

1.4 Emergency telephone

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

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 surfactants, polymers, silicones, biocides and cellulose derivatives

3.2 Ordinary Portland cements (OPC)	CAS.No. 65997-15-1	<25% ^w / _w	 Xi	R37 R38 R41
Hydrated Lime	CAS No. 1305-62-0	<10% ^w / _w	 Xi	R37 R38 R41
Limestone	CAS No. 1317-63-3	>50% ^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 °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 4 mg m ⁻³	Total inhalable dust Respirable dust
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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	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.
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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
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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
Directive 67/548/EEC

IRRITANT Xi



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

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: Tel **+44 (0)1782 366090**
e-mail enquires@insuletics.com web www.insuletics.co.uk

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

Issued July 2012

The information contained here is offered in good faith and is based on our current knowledge.

We thereby withhold the right to update and amend this document as necessary.

The information should not be taken as guarantee of specific performance and users should make their own assessment and make all applicable personnel aware accordingly.

The wearing of appropriate safety equipment is strongly recommended as a precaution and the product should only be used in its design application.