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Product Safety Data Sheet – Structherm Finishes

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 OR PREPARATION

Product Range: Structherm Finishes

Data sheet applies to:

Struc-Dash	Struc-Brick Rend Base
Structherm Silicone Roughcast	Struc-Brick Rend Face
Pointing Mortar	Struc-Brick Rend Pointing
Structherm Pump Dash Receiver with Silicone	

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

Structherm Limited
Bent Ley Road
Meltham
Holmfirth
HD9 4AP

Emergency Telephone:
UK Emergency Number **999**

European Emergency Number **112**

2. HAZARDS IDENTIFICATION

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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

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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.



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Take off contaminated clothing and wash before reuse

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

3. COMPOSITION / INFORMATION ON INGREDIENTS

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

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

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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 OC 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.

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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 SPECIFIC USES

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

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

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- 8.2.2  **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.
- 8.2.3  **Hand Protection**
Use impermeable gloves, as good practice wash hands after use
- 8.2.4  **Eye Protection**
Tight fitting goggles with side protection or a full face shield are recommended. Access to emergency eye-wash is recommended
- 8.2.5  **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.
- 8.2.6 **Environmental Exposure Controls**
Follow best practice for site management and disposal of waste

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 GENERAL INFORMATION

Appearance Coloured granular powder blend.
Odour Slightly earthy odour

9.2 IMPORTANT HEALTH, SAFETY AND ENVIRONMENTAL INFORMATION

pH > 12 in aqueous solution
Solubility Slight (~0.1 to 1.0 g in 100 ml water)
Boiling/Melting point Decomposition at 580 oC 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

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10. STABILITY AND REACTIVITY

Stability

Stable under normal conditions of use and storage. 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 oC calcium oxide may be formed
When heated in excess of 825 oC calcium oxide fumes and carbon dioxide are liberated.

11. TOXICOLOGICAL DATA

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 DATA

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.

Mobility

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

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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 REGULATIONS

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

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16.1 PRECAUTIONARY STATEMENTS

Hazard statement	H315	Causes skin irritation
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Precautionary statements	P102	Keep out of reach of children
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present and easy to do. Continue rinsing
P362 Take off contaminated clothing and wash before
reuse

16.2 FURTHER INFORMATION

For technical advice contact technical team:

Tel: 01484 850098

email: info@structherm.co.uk

web: www.structherm.co.uk

16.3 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.