

Product Safety Data Sheet – Structherm Base Coats

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 Base Coats

Data sheet applies to:

Structherm Standard Base Coat

Structherm HP12 High Polymer Base Coat

Structherm Flexi Base Coat

Structherm UF Fibre Base Coat

Structherm HP14 High Polymer 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

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

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 P362 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	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

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 OC some calcium oxide may be formed

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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

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 conforming to EN140:1998 or better is recommended. Respirators should provide a protection level of FFP3 (P3). Employers are responsible for providing proper training to employees in the correct use of respiratory protection.

8.2.3

**Hand Protection**

Hand protection is recommended and dermal exposure should be minimised as far as technically achievable. Impermeable nitrile glove are recommended, Nitrile rubber disposable gloves for light duties EN 374:2003 Nitrile coated industrial gloves for heavy duties EN 388:2003 As good practice wash hands after using this substance, follow good hygiene practices

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 Grey to white 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 1.6 tonne m-3

Density (dry) 1.2 to 1.6 tonnoe m3

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	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 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 either the high pH inducing contact dermatitis or by an allergic reaction cause allergic 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
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 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



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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
- 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

DOCUMENT REF: BC-HS001, BC-HS002, BC-HS003,
BC-HS004, BC-HS005

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16.3 Further Information

For technical advice contact technical team: Tel: 01484 850098

email: info@structherm.co.uk

web: www.structherm.co.uk

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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.