

SAFETY DATA SHEET
Envirobrick

Compilation Date: 21/12/2016
Revision No: 1
Authorised by: M. Gee

Section 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product Identifier

Product Name: Envirobrick
Product Code: ESPS/BR-TC/star/****

1.2. Relevant identified uses of the substance or Mixture and uses advised against

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

1.3. Details of the supplier of the safety data sheet

Company Name: SPSEnvirowall Ltd
Orchard House
Aire Valley Business Centre
Keighley
West Yorkshire
BD21 3DU
United Kingdom
Tel: 01535 661633
Fax: 01535 661933
Email: info@spsenvirowall.co.uk

1.4. Emergency Telephone Number

Available during office hours 01535 661633
European Emergency Number 112
National Poisons Emergency Number / NHS : 111

Section 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No1272/2008

2.2 Label Elements

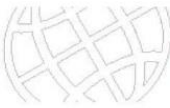
Pictograms:



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



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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

2.3. Other Hazards

No Data available

Section 3: Composition/information on ingredients

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

3.2. Mixtures

Component	CAS.No.	EC No.		Classification	Percent %/w
Ordinary portland cements (OPC)	65997-15-1	266-043-4		H315 Skin irritation 2 H317 Skin sensitization H318 Eye damage 1 H335 Stot Se 3	<25% w/w
Hydrated Lime	1305-62-0	215-137-3		H315 Skin irritation 2 H318 Eye damage 1 H335 Stot Se 3	<10% w/w

Section 4: First aid measures

4.1. Description of first aid measures



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

4.2. Most important symptoms and effect, both acute and delayed



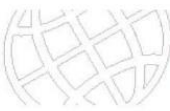
After skin contact

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



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



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After significant inhalation

Move person to fresh air
Seek medical treatment if irritation or discomfort occurs



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

4.3. Indication of any immediate medical attention and special treatment needed

Immediate / special treatment: Not applicable

Section 5: Fire-fighting measures

5.1. Extinguishing media

Substance is non-flammable

5.2. Special hazards arising from the substance or mixture

Not considered to be an explosion hazard

5.3. Advice for fire-fighters

Use most appropriate measure or media to extinguish surrounding fire. If using water be aware of potential for strong alkali run-off.

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Avoid contact with skin and eyes, keep dust levels to a minimum. Ensure adequate ventilation or suitable respiratory protective equipment is used

6.2. Environmental precautions

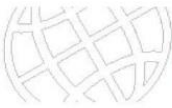
Contain the spillage, keep the material dry if possible. Do not wash into water courses or drainage systems as this can cause a rapid pH change harmful to the aquatic environment

6.3. Methods and material for containment and cleaning up

For dry spills avoid actions that cause dust to become airborne
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.

6.4. Reference to other sections

No data available



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Section 7: Handling and storage

7.1. Precautions for safe 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. Conditions for safe storage, including any incompatibilities

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 end use(s)

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.

Section 8: Exposure controls/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



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.



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), 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.



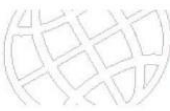
Hand Protection

Use impermeable gloves, as good practice wash hands after use.



Eye Protection

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



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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.

Environmental exposure controls

Follow best practice for site management and disposal of waste

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

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

Section 10: Stability and reactivity

10.1. Reactivity

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

10.2. Chemical stability

No data available

10.3. Possibility of hazardous reactions

Hazardous reactions will not occur under normal transport or storage conditions.

10.4. Conditions to avoid

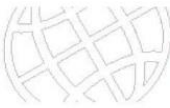
Heat.

10.5. Incompatible materials

Exposure to aluminium can liberate hydrogen gas

10.6. Hazardous decomposition products

When heated in excess of 580 degrees centigrade calcium oxide may be formed
When heated in excess of 825 degrees centigrade calcium oxide fumes and carbon dioxide are liberated


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Section 11: Toxicological information
11.1. Information on toxicological effects
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, causing, sneezing and shortness of breath may occur following exposure to levels in excess of occupational exposure limits.

Chronic effects –

Inhalation: Chronic exposure in excess of occupation 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

Section 12: Ecological information
12.1. Toxicity

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. Persistence and degradability

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

12.3. Bioaccumulative potential

No data available

12.4. Mobility

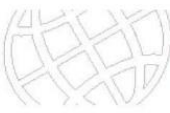
Not expected to transport to groundwater in case of spill, dust may become airborne

12.5. Results of PBT and vPvB assessment

No data available

12.6. Other adverse effects

No data available



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Section 13: Disposal considerations

13.1. Waste treatment methods

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 regulations.

Section 14: Transport information

14.1. UN number

No data available

14.2. UN proper shipping name

No data available

14.3. Transport hazard class(es)

Not classified as hazardous for air, sea or road freight.

14.4. Packing group

Packing group: n/a

14.5. Environmental hazards

Environmentally hazardous: No

Marine pollutant: No

14.6. Special precautions for user

Special precautions: No special precautions

Section 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Pictograms:

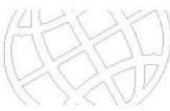


Signal word: Danger

Classification according to Regulation (EC) No1272/2008

15.2. Chemical Safety Assessment

No data available


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Section 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
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P362 Take off contaminated clothing and wash before reuse

The 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.