

SPS Envirowall Ltd



Safety Data Sheet
according to (EC) 1907/2006 - Article 31

ISO No. 5045

Version 2

Date prepared: May 2022

SECTION 1 Identification of the article and of the company/undertaking

1.1 Product identifier

Trade Name: Renderflex Lite
Product Name: Renderflex Light Board
Product Code: ESPS-RCL09/12
Type of product: Article

1.2 Relevant identified uses of the substance, mixture or article and uses advised against

Use: Renderflex Lite is a carrier board suitable to receive Silicone/Acrylic and Granomin render applications using SPS Envirowall Envirorend basecoat ESPS/EXG-BC. It is mechanically fixed to either timber battens or a RendaClad metal perforated top hat rail section Ref.ESPS-RCTH25. Renderflex LITE is used primarily as an external sheathing board. Used extensively on both metal and timber frame structures, offering a non-combustible classification. Renderflex LITE is a flexible calcium silicate based fibre cement building board, offering excellent fire properties as well as high levels of dimensional stability.

1.3 Details of the supplier of the safety data sheet

Supplier SPS Envirowall Ltd
Lonsdale Chambers
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ST4 4BT
United Kingdom
Email: info@spsenvirowall.co.uk
Telephone: 08451300983

1.4 Emergency telephone number NHS : 111

SECTION 2 Hazards identification

Radioactivity & Asbestos: Non-Asbestos Calcium Silicate board do not present a hazard to human or animals in their intact state.

Volatile: Normal State: Non-Asbestos Fiber Reinforced Calcium Silicate Board is made from cementing material through the chemical reaction with a set temperature and humidity of raw materials and make the final panel with its specific strength. It is friendly to environment and creatures.

High Temperature State: Non-Asbestos Fiber Reinforced Calcium Silicate Board reaches standards, during burning time there is no toxic smoke coming out. Only water vapor and a little carbide oxide come out under high temperature.

Burning: During continuous burning, it will not emit smoke. Minimal amount of water vapour and a little carbon dioxide will be emitted under high temperature.

Environmental standard: Calcium Silicate Board / Fibre Cement Board is produced according to the China Environment Standard HJ/T223-2005

Technical requirement of Environmental Labelling Products: Lightweight Drywall board and it's related requirement.

Dust: The calcium silicate board/fibre cement board in their intact state do not present a hazardous threat. One should be aware of the ill-effect and danger from prolonged exposure to the air-borne dust generated through cutting, drilling, routing, sawing and crushing of the calcium silicate board/fibre cement board.

SECTION 3 Composition/information on ingredients

Components: Portland cements, Lime, crystalline silica (quartz), Cellulose, mica and other non-hazardous ingredients such as fillers. Contain no asbestos, brucite, meerscham, glass fibre or formaldehyde in the raw material and the formulas.

Substance Name	CAS No	EC No	Contents by Weight %	Classification (REGULATION (EC) No 1272/2008)
Portal Cements	65997-15-1	-	35%	-
Lime	1305-78-8	-	20%	-
Quartz	14808-60-7	-	35%	-
Cellulose	9004-34-6	-	9%	-
Mica and other	-	-	1%	-

SECTION 4 First aid measures

4.1 Description of first aid measures

Skin contact: The dust from these products may cause irritation of the skin deal to friction but is not absorbed through the skin.

Eye contact: The dust from these products may irritate the eyes for tears.

Ingestion: When processing, the dust may affect food and beverage, indigestion of the dust may result in abdominal discomfort.

Inhalation: The dust from processing may cause irritation of nose, throat, lung and cause coughing and sneezing via breath.

4.2 Most important symptoms and effects, both acute and delayed

Skin Contact: Wash thoroughly with soap and water.

Eye Contact: Do not rub the eye. Rinse immediately with plenty of water. If eye irritation persists: seek medical advice/attention.

Ingestion: Ingestion is unlikely due to product form. Do not induce vomiting. Rinsemouth. Drink plenty of water.

Inhalation: Remove to fresh air and drink water.

Remark: Seek medical attention if symptoms persist.

SECTION 5 Fire-fighting measures

5.1 Extinguishing media

The product is non-combustible, there is no specific firefighting measures required for this product. In case of fire, extinguish it with carbon dioxide, water, foam or dry chemical as for surrounding materials.

SECTION 6 Accidental release measures

6.1 Statement

The calcium silicate products their intact state do not present a fire, health or environmental hazard. The precautions measures below are applied to dust generated during cutting, grinding, sanding, drilling, routing, rebating or sawing of fiber cement products.

6.2 Methods and material for containment and cleaning up

Clean-up Method: Wet the dust if possible to do, sweep up the solid. Dry sweeping is not recommended.

Disposal: Dispose in accordance with local authority regulations.

Precautions: Wear protective equipment to prevent eyes contamination and the inhalation of dusts. Working at well ventilation area is recommended.

SECTION 7 Handling and storage

7.1 Precautions for safe handling

Handling Requirements

Minimize the dust generation at the work place.

When there is cutting, sawing, sanding or grinding during the installation and handling of this product, it should be carried out at well-ventilated area (e.g. outdoor, open-area).

Work area should be cleaned regularly by wet sweeping or vacuuming.

7.2 Conditions for safe storage, including any incompatibilities

Storage: Store the products in a dry area. The products must be laid flat under cover on a smooth surface clear of the ground to avoid exposure to water or moisture.

SECTION 8 Exposure controls/personal protection

8.1 General controls

Avoid generating dust or keep exposure to dust as low as practicable. Work areas should be cleaned regularly by wet sweeping or vacuuming.

8.2 Engineering controls

Practices likely to generate dust should be carried out in adequately ventilated areas or in process enclosures with exhaust ventilation.

8.3 Personal protection

Eye protection: Safety glasses should be worn.

Skin protection: Direct contact with dust and debris should be avoided by wearing long sleeved shirts or gloves.

Inhalation protection: During dry cutting ,drilling, routing ,and sanding with power or abrasive tool, or if dust is generated ,used an approved particulate dust mask.

SECTION 9 Physical and chemical properties

Appearance: Solid Board

Colour: Greyish or Pinkish

pH value: 09-Nov

Melting point/freezing point: 1200-1500°C

Solubility in water: 0.03-0.05 Kg/M3

SECTION 10 Stability and reactivity

Stability

This product is stable under ordinary condition. Excessive dust generation during processing, handling and installation.

Radioactive

Safe for application.

IRa<0.1

Ir<0.1

Non-Cumbustibility

Non-combustible Material Grade A

SECTION 11 Toxicological information

Toxicity: Calcium silicate board is non-toxic in its intact form.

SECTION 12 Ecological information

This product is not considered as environmental hazard – not considered to be toxic in aqueous or soil environment.

SECTION 13 Disposal considerations

13.1 Waste treatment methods Waste may be disposed by landfill; however disposal should comply with the local authority requirements.

SECTION 14 Transport information

Non-Asbestos Calcium Silicate Board is stable in quality; it won't generate any chemical changes in intact state. There are no specific requirements for handling and storage.

The water absorption of our Non-Asbestos Calcium Silicate Boards is between 25 and 60%, which depends on the density of boards. After the boards get saturated, there will be a very little change in volume. However, after the water releases, the strength will return to normal state. Therefore, before installation, the boards should be stored in ventilated and dry environment.

As for this kind of boards, the wagon of the carriage must be smooth and any toss is prohibited. The board should be carried by two men with both hands and taking the long edges vertically.

SECTION 15 Regulatory information

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

- (a) Occupational Health and Safety Assessment Series 18001 and relevant regulations.
- (b) Environmental Quality ISO14001

SECTION 16 Other information

MINIMISE DUST GENERATION AND DO NOT BREATHE DUST!

Operators must wear an approved particulate dust mask during cutting, grinding, sanding, drilling, routing or abrading of this fiber cement product.

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