# TECHNICAL INFORMATION



SPS Envirowall Ltd Safety Data Sheet sps envirowall according to (EC) 1907/2006 - Artclie 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 Identification of the Product Name: Renderflex Light Board product: 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 Lonsdale Street Stoke on Trent ST4 4BT United Kingdom Email: info@spsenvirowall.co.uk Telephone: 08451300983 NHS : 111 1.4 Emergency telephone number **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 Temeperature 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 Enviroment 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 (guartz), Cellulose, mica and other non-hazardous ingredients such as fillers. Contain no asbestos, brucite, meerschaum, glass fibre or formaldehyde in the raw material and the formulas. Contents by Weight % Classification Substance Name CAS No EC No (REGULATION (EC) No 1272/2008) 65997-15-1 Portal Cements 35% \_ \_ 1305-78-8 20% Lime Quartz 14808-60-35%

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7

9004-34-6

Cellulose

Mica and other

9%

1%





Section A first id measures A1 Describion of first id measures Sin contact: The dust from these products may cause irritation of the skin deal to friction but is not absorbed through the skin, the dust from these products may initiate the eves for tears. Insertion: When processing, the dust may affect food and bevirage, indigestion of the dust may result in Inhaltion: The dust from processing may cause irritation of nose, throat, lung and cause coughing and soccarly us burenth. 4.2 Most important symptoms and effects, both acute and delayed Skin Contact: Wash throoughly with soap and water. Eye Contact: Do not tub the eye. Rise immediately with plenty of water. If eye irritation persists seek medical advice/attention insestion: ingestion: unlikely due to product form. Do not induce vomiting. Risemouth. Drink plenty of Inhaltion: Remove to firsh ai and drink water. Remark: Seek medical attention if symptoms persist. SECTION 5 if critical for the air and drink water. Remark: Seek medical attention if symptoms persist. SECTION 5 if critical for the mosource of fire, extraguish it with carbon dioxide, water, from or dry chemical as for surrounding materials. SECTION 5 if critical reloase mosource 6.1 Statement The calcium slicate products their intact state do not present a fire, health or environmental hazard. The proceducts may in relating or sawing of fiber cament products. 6.2 Methods and material for containment and cleaning up Clean-up Method: Wat the dust if possible to do, sweep up the solid. Dry sweeping is not recommended. Disposa: Dispose in according within a state is recommanded. SECTION 1 A Handling and storage Proceautions: Wash protective examines to drive with garbon Proceautions: Wash protective examines to drive with garbon Proceautions: Wash protective examines to drive due the visit data. SECTION 1 First and material for containment and cleaning up Clean-up Method: Wash the first and materials. SECTION 1 Handling and storage Proceautions: Wash protective examines to drive due to cover on a smo		group of companies
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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       1200-1500℃         point:       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	8.1 General controls	
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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       1200-1500°C         point:       Solubility in water:         Solubility 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		
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Colour:       Greyish or Pinkish         pH value:       09-Nov         Melting point/freezing       1200-1500°C         point:       solubility in water:         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		
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IRa<0.1 Ir<0.1		This product is stable under ordinary condition. Excessive dust generation during processing,
	Radioactive	IRa<0.1
	Non-Cumbustibility	





## **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,

> 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

before installation, the boards should be stored in ventilated and dry environment.

#### **SECTION 16 Other information**

MINIMISE DUST GENERATION AND DO NOT BREATH 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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