

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

1.1 Product identifier

Trade name: Renderflex

Identification of the product: Fibre reinforced cement

Type of product: Article

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

Use: **Internal and external walling, Flooring and ceilings, Facia's and soffit liner,**
OEM applications for improved strength and density, Tile backer board,
External cladding

1.3 Details of the supplier of the safety data sheet

Supplier Unit 25-26 Rosevale Road
Parkhouse Industrial Estate West
Newcastle under Lyme
Staffordshire
ST5 7EF
United Kingdom

0800 612 4662

info@rcmltd.biz

1.4 Emergency telephone number

0800 612 4662

SECTION 2 Hazards identification

2.1 Classification of the substance or mixture

Classification EC 67/548 or EC 1999/45: This product is not classified as hazardous.

Hazard class and category code regulation EC 1272/2008 (CLP): This product is not classified as hazardous.

2.2 Label elements

Labelling regulation (EC) 67/548 or EC 1999/45: No Labelling Required.

Labelling regulation (EC) 1272/2008 (CLP): No Labelling Required.

2.3 Other hazards

The fibre cement products in their intact state do not present a hazard. However, 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 fibre cement products.

Acute Effects

Skin contact: The dust from this product may cause irritation of the skin from friction but is not absorbed through the skin.

Eye contact: The dust from this product may irritate the eyes causing watering and redness.

Ingestion: Unlikely under normal conditions of use, but ingestion of the dust from this product may result in abdominal discomfort.

Inhaled: The dust from this product may cause irritation of nose, throat and lungs causing coughing and sneezing.

Chronic Effects

Inhaled: Prolonged and continuous exposure (over a number of years) to significant, airborne, respirable dust levels containing crystalline silica may cause bronchitis, silicosis and lung cancer. Based on limited animal research, it is possible that repeated inhalation of cellulose fibre dust over time may lead to inflammation and scarring of the lung in humans.

SECTION 3 Composition/information on ingredients

Components: This article is classified as not hazardous.
This product is a manufactured article, not a substance nor a preparation.

Substance Name	CAS No	EC No	Contents by Weight %	Index Number (REGULATION (EC) No 1272/2008)	Classification (REGULATION (EC) No 1272/2008)	Classification (Other)
Ordinary Portland Cement	65997-15-1	-	20-40%	-	-	R36 R37 R38
Crystalline Silica (Quartz)	14808-60-7	-	20-50%	-	-	-
Cellulose	9004-34-6	-	<10%	-	-	-
Other non-hazardous ingredients such as pigment, fillers and surface coatings.	-	-	<10%	-	-	-

SECTION 4 First aid measures

4.1 Description of first aid measures

Inhalation: Remove to fresh air.

Skin contact: Wash thoroughly with mild soap and water.

Eye contact: Flush with running water.

Ingestion: Not expected under normal condition of use. Drink plenty of water.

4.2 Most important symptoms and effects, both acute and delayed

Seek medical attention if symptoms persist.

4.3 Indication of any immediate medical attention and special treatment needed

No data available.

SECTION 5 Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing media: In case of fire, extinguish with carbon dioxide, water, foam or dry chemical as for surrounding materials.

5.2 Special hazards arising from the substance or mixture

No data available.

5.3 Advice for fire-fighters

Flammable class: The fibre cement products will not burn or help in burning, thus no specific fire fighting measures are required.

Protection against fire: No data available.

SECTION 6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions: Not applicable.

6.2 Environmental precautions

Environmental precautions: Not applicable.

6.3 Methods and material for containment and cleaning up

Methods and material for containment: Not applicable.

Clean up methods: Not applicable.

6.4 Reference to other sections

Not applicable.

SECTION 7 Handling and storage

7.1 Precautions for safe handling

Personal protection: There are no specific requirements for handling and storage.

Technical protective measures: There are no specific requirements for handling and storage.

7.2 Conditions for safe storage, including any incompatibilities

Storage: There are no specific requirements for handling and storage.

7.3 Specific end use(s)

No data available.

SECTION 8 Exposure controls/personal protection

8.1 Control parameters

Occupational/workplace exposure limits: Crystalline Silica (Quartz) 0.1mg/m³ time-weighted average (TWA) as respirable dust
Calcium Silicate (Synthetic) 10mg/m³ time-weighted average (TWA) as inspirable dust
Cellulose (Wood fibre) 10mg/m³ time-weighted average (TWA) as inspirable dust

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

Inhalable No data available. mg/m³

Respirable No data available. mg/m³

8.2 Occupational exposure controls

8.2.1 General protection controls

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

8.2.2 Individual protection controls

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

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

Eye protection: Safety goggles/glasses should be worn.

Ingestion: No data available.

SECTION 9 Physical and chemical properties

Appearance: Solid boards or planks, or coated with various colours.
Flat or corrugated profile with standard sizes.

Colour: Greyish or pinkish

Odour: No data available.

pH value: No data available.

Melting point/freezing point: No data available.

Initial boiling point and boiling range: No data available.

Flash point: Not applicable.

Evaporation rate: Not applicable.

Flammability: Non flammable.

Explosive limits Upper

Lower

Not applicable.

Not applicable.

Vapour pressure: Not applicable.

Vapour density: Not applicable.

Relative density: 1380 kg/m³

Solubility in water: Not soluble in water.

Auto-ignition temperature: No data available

Viscosity: No data available

Explosive properties: No data available

Oxidising properties: No data available

9.2 Other information

No data available

SECTION 10 Stability and reactivity

10.1 Reactivity

Stability and reactivity: Fibre cement products are generally dimensionally stable and non-reactive, resistant to rot and water damage in their normal scope of applications.

10.2 Chemical stability

Chemical stability: No data available

10.3 Possibility of hazardous reactions

Hazardous reactions: No data available

Hazardous properties: No data available

10.4 Conditions to avoid

Conditions to avoid: No data available

10.5 Incompatible materials

Materials to avoid: No data available

10.6 Hazardous decomposition products

No data available

SECTION 11 Toxicological information

11.1 Information on toxicological effects

Acute toxicity: Not applicable.

Skin corrosion/Irritation: Not applicable.

Serious eye damage/eye irritation: Not applicable.

Respiratory or skin sensitisation: Not applicable.

Germ cell mutagenicity: Not applicable.

Carcinogenicity: Not applicable.

Reproductive toxicity: Not applicable.

Specific target organ toxicity - single exposure: Not applicable.

Specific target organ toxicity - repeated exposure: Not applicable.

Aspiration hazard: Not applicable.

11.2 Additional information

On product: Not applicable.

SECTION 12 Ecological information

12.1 Toxicity

Not applicable.

12.2 Persistence and degradability

Not applicable.

12.3 Bioaccumulative potential

Not applicable.

12.4 Mobility in soil

Not applicable.

12.5 Results of PBT and vPvB assessment

Not applicable.

12.6 Other adverse effects

Not applicable.

SECTION 13 Disposal considerations

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

13.2 General

Product: No data available.

Contaminated packaging: No data available.

SECTION 14 Transport information

14.1 UN number

ADR/RID: Not applicable.

IMDG: Not applicable.

IATA: Not applicable.

14.2 UN proper shipping name

ADR/RID: Not applicable.

IMDG: Not applicable.

IATA: Not applicable.

14.3 Transport hazard class(es)

ADR/RID: Not applicable.

IMDG: Not applicable.

IATA: Not applicable.

14.4 Packaging group

ADR/RID: Not applicable.

IMDG: Not applicable.

IATA: Not applicable.

14.5 Environmental hazards

ADR/RID: Not applicable.

IMDG Marine pollutant: Not applicable.

IATA: Not applicable.

14.6 Special precautions for user

Overland transport: Not applicable.

Air transport: Not applicable.

Inland waterway transport: Not applicable.

Rail transport: Not applicable.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code

Not applicable.

SECTION 15 Regulatory information

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

15.1.1	EU-Regulations	Not applicable.
15.1.2	National regulations	Not applicable.
15.2	Chemical safety assessment	Not applicable.

SECTION 16 Other information

Further Information

The fibre cement products contain crystalline silica which is classified as hazardous substance according to the criteria of Malaysia Occupational Safety and Health Act 1994 Occupational Safety and Health (Use and Standards of Exposure of Chemical Hazardous to Health) Regulations 2000.

Breathing in fine silica dust when working with products is hazardous and may cause bronchitis, silicosis or cancer.

The fibre cement products do not contain Polybrominated biphenyls (PBBS), polybrominated diphenyl ethers (PBDEs) and short-chain chlorinated paraffins (C=10-13, SCCP).

MINIMISE DUST GENERATION AND DO NOT BREATHE DUST!

Operators must wear an approved particulate dust mask when power tools used.

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