



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

1.1 Product identifier

Trade Name: Multipurpose
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
Email: info@rcmltd.biz
Telephone: 0800 612 4662

1.4 Emergency telephone number

NHS : 111

SECTION 2 Hazards identification

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.

Hazard Classification (GHS):	Hazard Class & Hazard	Hazard Code	Hazard Statement
	Carcinogenicity, Cat 1A	H350	*May cause cancer through inhalation of dust
	Specific Target Organ Toxicity, Cat 1	H372	*Causes damage to lungs and respiratory system through prolonged or repeated exposure by inhalation of dusts.

*This classification applies to any respirable crystalline silica dust potentially released from UCO fiber cement products during installation and handling, which involved cutting, drilling or grinding. The intact fiber cement products are not expected to result in any adverse toxic effects.

Pictogram: DANGER



Signal Word: Danger

Precautionary Statements

The following precautionary statements apply to handling and installation of this product and if respirable dust is created during processing/handling and installation.

Prevention: P202 Do not handle until all safety precautions have been read and understood.
P260 Do not breathe dust.
P264 Wash hand and face thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P281 Use personal protective equipment as required.

Response: P380+P313 If exposed or concerned, get medical advice.
P314 Get medical advice if you feel unwell.

Disposal: P501 Dispose of products in accordance with local/regional/national/international regulations.

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

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) Cellulose	14808-60-7	-	20-50%	-	-	-
Cellulose	900434-6	-	10%	-	-	-
Other non-hazardous ingredients such as pigment, fillers and surface coatings.	-	-	10%	-	-	-

Note: All the fiber cement products consist of cellulose fiber from wood pulp only and do not contain asbestos.

SECTION 4 First aid measures

4.1 Description of first aid measures

Skin contact: Wash thoroughly with mild soap and water. Get medical advice if irritation occurs or persists.
Eye contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinse with running water for another 15 minutes holding eyelids apart. If eye irritation occurs, get medical advice.

Inhalation: Dusts may cause irritation. If experiencing irritation, remove to fresh air. Drink water to clear throat. If shortness of breath or wheezing develops, seek medical attention.

Ingestion: Give a glass of water to drink. DO NOT induce vomiting. If any symptoms occur, seek medical attention.

Recommended first aid facilities: Ready access to running water is recommended.

SECTION 5 Fire-fighting measures

Fire and explosion hazards: There are no specific risks for fire/explosion for this product. The fiber cement products will not burn or help in burning.

Suitable extinguishing substances: Not applicable.

Products of combustion: Fiber cement boards are non-flammable.

Protective equipment: No special measures are required.

SECTION 6 Accidental release measures

This fiber cement products in 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.

Clean-up method: Wet the dust if possible to do, sweep up the solid. Dry sweeping is not recommended. Vacuuming with industrial vacuum outfitted with high efficiency particulate filter is recommended. Do not wash material down to the drains.

Disposal: Dispose in accordance with local authority regulations.

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

SECTION 7 Handling and storage

Storage: Avoid store near food and beverage.
Avoid contact with incompatible substances as stated in section 10.
Store the products at 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.

Handling: 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.

SECTION 8 Exposure controls/personal protection

Exposure Standards - Occupational safety and Health Act 1994 - Occupational Safety and Health (Use and Standards of Exposure of Chemical Hazardous to Health) Regulations 2000, Malaysia.

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

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.

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

Personal Protection

Eye Protection: Safety goggles/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: Greyish or pinkish solid boards or planks, or coated with various colours. Flat or corrugated profile with standard sizes/dimensions according to product profile.

Odour: No odour

Boiling Point: Not relevant

Flashpoint: Not relevant

Vapour pressure: Not relevant

Solubility in Water: Not soluble in water.

Flammability limit: Not relevant

Melting point: Not relevant

Explosive properties: Not relevant

Specific gravity: Not relevant

9.2 Other information No data available

SECTION 10 Stability and reactivity

Stability: This product is stable under ordinary condition.

Condition to avoid: Excessive dust generation during processing, handling and installation.

Materials to avoid: Hydrofluoric acid will dissolve silica and can generate silicon tetrafluoride, a corrosive gas. Contact with strong oxidizing agent such as fluorine, boron trifluoride, chlorine trifluoride, manganese trifluoride or oxygen difluoride may cause fires.

SECTION 11 Toxicological information

Fiber cement is non-toxic in its intact form. The following applies to respirable dust that may be generated during installation/handling/processing, which involve cutting, grinding, sanding, drilling, routing, crushing or abrading the fiber cement products.

If in Eyes: Dust may be irritating to eyes.

If on Skin This product is not absorbed through the skin. Dust may dry out the skin.

If Swallowed: No adverse effect expected.

If Inhaled: Dusts may cause upper respiratory tract irritation, resulting in sneezing and coughing. Certain susceptible individuals may experience wheezing upon inhaling dust during cutting, grinding, sanding, drilling, routing or abrading fiber cement products, and also during cleaning up or disposing of dust.

Long term exposure to high levels of fine nuisance dust may cause injury to lungs and respiratory system. This product contains crystalline silica. Inhaling crystalline silica dusts can aggravate respiratory conditions such as asthma or emphysema. Long term exposure to crystalline silica dust can lead to silicosis and there is limited evidence of carcinogenicity for crystalline silica dust.

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 fiber dust over time may lead to inflammation and scarring of the lung in humans.

SECTION 12 Ecological information

This product is not considered as environmental hazard - not considered to be toxic in aqueous environment and not considered to be toxic in the soil environment.

SECTION 13 Disposal considerations

Restrictions:

There are no product-specific restrictions. However, state and local regulations may apply. Note that state and local disposal regulations may differ from federal disposal regulations.

Dispose method:

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

SECTION 14 Transport information

This product is not covered by international regulations on the transport of dangerous good (IMDG, IATA, ADR/RID). There are no special requirements for storage and transport.

IATA: Not regulated as dangerous goods.

IMDG: Not regulated as dangerous goods.

ADR/RID: Not regulated as dangerous goods.

Special precautions to user: Not applicable.

SECTION 15 Regulatory information

Safety, health and environmental regulations specific for the substance:

- (a) Occupational Safety and Health Act 1994 and relevant regulations
- (b) Occupational Safety and Health (Classification, Labeling and Safety Data Sheet of Hazardous Chemicals) Regulations 2013
- (c) Environmental Quality Act 1974

SECTION 16 Other information

Abbreviation

IATA International Air Transport Association
IMDG International agreement on the maritime transport of dangerous goods
ADR/RID European agreements on the transport of dangerous goods by road / railway

Further information

This product contains 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.

MINIMISE DUST GENERATION AND DO NOT BREATH DUST!

Operators must wear an approved particulate dust mask during cutting, grinding, sanding, drilling, rebating, routing or abrading of this fiber cement product.
This product does not contain Polybrominated biphenyls (PBBS), polybrominated diphenyl ethers (PBDEs) and short-chain chlorinated paraffins (C=10-13, SCCP).

DISCLAIMER OF LIABILITY

The information in this MSDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This MSDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS information may not be applicable.

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