

# MATERIAL SAFETY DATA SHEET

## Fibre Cement Board

### 1. PRODUCT AND COMPANY IDENTIFICATION

Product Name	Fiber Cement Board
Recommended Application	Fiber cement board for use in internal and external wall
Buyer	Mentool Australia
Address	1222-1238 Port Wakefield Road, Burton, Adelaide, SA, Australia, 5110

### 2. COMPOSITION & INFORMATION ON INGREDIENTS

Chemical Name	CAS Number	Proportion
Cellulose Pulp/Fibre	9004-34-6	8-9%
Crystalline Silica	14808-60-7	40-50%
Calcium Silicate	65977-15-1	35-40%
Water	-	<8%

### 3. HAZARD IDENTIFICATION

The potential hazard to health relates to dust produced from the materials when using power tools, equipment and sanding.

The intact sheet does not generate off dust or fume during installation or when installed. Nevertheless, dust may be generated through cutting, breaking, drilling or sawing the sheets. Inhaling dust generated from these activities may aggravate pre-existing respiratory conditions and may cause cancer.

**Poison Schedule:** Not applicable.

#### **Dangerous Good Classification**

Not classified as Dangerous Goods.

### 4. FIRST AID MEASURES

Inhalation	If inhaled remove to fresh air.
Skin Contact	Immediately wash skin thoroughly with soap and water. Remove contaminated clothing and shoes. Get medical attention immediately if effects persist.
Eye Contact	In case of eye contact immediately wash eyes for 15 minutes with plenty of clean water. Seek medical attention if irritation develops and persist.
Ingestion	Rinse mouth thoroughly with water. Do not induce vomiting unless directed to do so by medical personnel.
Advice to Doctor	Treat symptomatically.

### 5. FIRE FIGHTING MEASURES

Flammability	Fibre cement sheets are deemed non-combustible and non-flammable.
Extinguishing Method	If material is involved in fire, extinguish the fire using water and fire-extinguishing medium. If necessary, wear respiratory protection gear.
Fire Extinguishing Media	Water, dry chemical powder, carbon dioxide, standard foam.

## 6. ACCIDENTAL RELEASE MEASURES

Spills	The material is in solid sheet, so no special measures are required.
Clean Up	Wet sweeping and/or vacuum clean-up of dust and waste.
Disposal	Waste should be collected and placed in containers and disposed with other construction waste in accordance with local authority guidelines.

## 7. STORAGE & HANDLING

Storage	Store flat and level in a covered dry area and away from water.
Handling	Wear proper protective equipment (gloves, goggles and respiratory protection gear) to minimize exposure and inhalation of silica dust and eye contamination. Do not dry sweep or use compressed air. Rinse face, hands, mouth etc. with clean water after handling the product.

## 8. EXPOSURE PREVENTION AND PERSONAL CONTROLS

Exposure standards (as published by Safe Work Australia)	TWA		Notices
	ppm	mg/m <sup>3</sup>	
Calcium Silicate	-	10	-
Cellulose Fibre	-	10	-
Crystalline Silica (Quartz) Respirable Dust	-	0.05	-

TWA – The time weighted average airborne concentration over an 8-hour working day for 5-day work week over an entire working life.

STEL – The short-term exposure limit of the average airborne concentration over a 15-minute period that should not be exceeded at any time during an 8-hour workday.

The above Exposure Standards serve as guides in the control of occupational safety and health hazards. Keeping exposures to dust as low as practicable and working in a well-ventilated environment is strongly recommended.

Engineering Measures	No dust is produced unless the fibre cement sheet is cut. Cut the sheet outdoors or in a well-ventilated place using the right equipment and blades and dust collecting function. When working with the sheets indoors, ensure good ventilation to keep the concentration of airborne dust to below the controlled level. Personal protective equipment should be used in confined spaces and where dust levels exceed the maximum levels.
Tools and Equipment	Vacuum and wipe off all dust and dirt from tools and equipment prior to carrying out repairs or maintenance. Wear proper protective equipment (gloves, goggles and respiratory protection gear). Do not dry sweep or use compressed air.
Eye Protection	Use anti-dust non-fogging safety goggles or glasses: Recommended Practices for Eye Protection.
Respiratory Protection	Use a proper fitted L or M particulate respirator (dusk mask). Use and Maintenance of Respiratory Protective Devices, at all times when cutting or abrading sheets.
Skin Protection	To prevent skin from exposure to dust, wear personal protective clothing for the body based on the task being performed. Pants, long-sleeve shirts and head protection and standard duty leather or equivalent gloves; Industrial Safety Gloves and Mittens. Wash work clothes regularly and do not shake out dust.
Personal Hygiene	Wash hands and skin regularly with soap and clean water after working with

fibre cement sheets. Do not smoke when working with fibre cement sheets.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Similar to cement grey	Viscosity	Not applicable
Physical State	Solid sheet	Solubility (H <sub>2</sub> O)	Insoluble
Odour	Low to no odour	Boiling Point	Not applicable
pH@25°C	-	Melting Point	Not applicable
Particle Size	-	Softening Point	Not applicable
Bulk Density	-	Freezing Point	Not applicable
Specific Gravity (H <sub>2</sub> O=1)	Not relevant	Vapour Pressure (mm Hg)	Not applicable
Autoignition temperature °C	Not applicable	Evaporation Rate (BuAc=1)	Not applicable
VOC Content	-	Flammability Limits	Not flammable

## 10. STABILITY AND REACTIVITY

Chemical Stability	Stable and non-reactive
Hazardous/Harmful Reactions	None
Hazardous/Harmful Decomposition Products	None
Incompatible Materials	None
Conditions to Avoid	Generating dust during handling, processing, inhalation

## 11. TOXICOLOGICAL INFORMATION

Acute Short-term Health Effects	
Skin	Dust contact with skin may cause irritation.
Eyes	Excessive dust may cause irritation to eyes
Ingestion	Swallowing can cause vomiting, nausea and may result in symptoms of acute indigestion.
Inhalation	Inhaled dust may cause irritation to respiratory tract and mucous membranes including nasal, throat and lung irritation.
Chronic Long-term Health Effects	
Inhalation	Recurring exposure to excessive dusts generated when working with fibre cement sheets if respirable crystalline silica levels are not controlled, could result in chronic lung disease such as Silicosis. If the practices and criteria listed in this SDS are adhered to when cutting and sanding, the exposure to airborne dusts should be within the recommended exposure standards with no long-term effects expected.

## 12. ECOLOGICAL INFORMATION

Exercise caution to prevent negative environment impact and avoid contaminating waterways.

Eco-Toxicity	This fibre cement product is classified as non-hazardous and toxic to aquatic and terrestrial habitats.
Persistence and Degradability	No data/information available.
Bio-accumulative Data	No data/information available.
Mobility	No data/information available. A low mobility would be expected in a landfill situation.

## 13. DISPOSAL CONSIDERATION

Adhere to all local, state and federal regulations with respect to construction waste material disposal.

When cleaning up dust, do not dry sweep. Wet the dust prior to sweeping or use a HEPA vacuum. Take measures to prevent potential dust exposure to others. Personal precautions should be observed – see 8. Exposure Prevention and Personal Controls.

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#### 14. TRANSPORT INFORMATION

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No special transport requirements are necessary. Comply with local, state and federal regulations.

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#### 15. REGULATORY INFORMATION

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Not scheduled. Periodical review in relation safety of production, usage, storage, transportation, loading and disposing of waste is beneficial.

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#### 16. OTHER INFORMATION

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This Material Safety Data Sheet is prepared by:

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Issued Date: 28<sup>th</sup>

A handwritten signature in blue ink, appearing to be 'A. J. ...', is written over a horizontal blue line.