

MASONS FIBRE CEMENT SHEETS

Also known as Barricade Weather Defense System Fibre Cement Sheets



MASONS
Designed Smart, Built Tough.

MATERIAL SAFETY DATA SHEET

V1.0 Feb 2025

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Company	Masons NZ Ltd
Contact Details	0800 522 533 info@mpb.co.nz www.mpb.co.nz 18a David Mccathie Place, Silverdale 0932 (09) 414 7551
Emergency	Poisons Information Centre – (0800) 764 766 New Zealand
Name	Masons Fibre Cement Sheets
Description	Fibre cement sheets for use on internal/external wall linings and soffits and internal flooring. Refer to product manual for installation.
UN No.	N/A
Hazchem	N/A
DG Class	N/A
Poisons Schedule	N/A

SECTION 2: HAZARDS IDENTIFICATION

The potential health hazards are related to dust generated from these materials during cutting, sanding and the use of power tools.

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.

Smoking and inhalation of airborne particulates from other sources may increase the risk of lung disease. Work areas and storage areas should be deemed smoke-free zones

GHS CATEGORY	PICTOGRAM	SIGNAL WORD	HAZARD CODE	HAZARD STATEMENTS
Carcinogenicity, Cat 1A		Danger	H350	May cause cancer through inhalation of dust
Specific target organ toxicity (repeated exposure), Cat 1		Danger	H372	Causes damage to respiratory system through prolonged or repeated exposure
OTHER CLASSIFICATIONS	Contact with dust and fibres from this product may cause skin and eye irritation due to physical reaction (e.g. rubbing or scratching).			
PRECAUTIONARY STATEMENTS	Observe the following precautionary measures when handling, installing or processing the product.			

Prevention Precautionary Statement Codes



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

Response

P308+P313	If exposed or concerned: get medical advice.
P314	Get medical advise if you feel unwell.

Disposal

P501	Dispose products in accordance with local/region/national/international regulations.
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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENT

CHEMICAL NAME	CAS NUMBER	PROPORTION	EXPOSURE LIMITS
Calcium silicate hydrate	66997-15-1	40%-60%	10mg/m ³ time-weighted average (TWA) as respirable dust
Crystalline silica	14808-60-7	20%-60%	0.1mg/m ³ time-weighted average (TWA) as respirable dust
Paper pulp (cellulose)	9004-34-6	< 10%	10mg/m ³ time-weighted average (TWA) as respirable dust
Other non-hazardous ingredients (pigments, fillers, coatings)		< 5%	

SECTION 4: FIRST AID MEASURES

SWALLOWED	IF SWALLOWED: Give a glass of water to drink. DO NOT induce vomiting. If any symptoms occur, seek medical attention.
EYE	Remove contact lens or eyeglasses. Flush thoroughly with flowing water for at least 15 minutes. If redness persists, seek medical attention.
SKIN	IF ON SKIN: Wash thoroughly with mild soap and water. Get medical advice if irritation occurs or persists.
INHALED	IF INHALED: 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.
ADVICE TO DOCTOR	Treat symptomatically.



SECTION 5: FIRE FIGHTING MEASURES

FIRE AND EXPLOSION HAZARDS	There are no specific risks for fire/explosion for this product. The fibre cement products will not burn or help in burning.
SUITABLE EXTINGUISHING SUBSTANCES	Not applicable.
UNSUITABLE EXTINGUISHING SUBSTANCES	Not applicable.
PRODUCT OF COMBUSTION	Fibre Cement products are non-combustible and non-flammable.

SECTION 6: ACCIDENTAL RELEASE MEASURES

SPILL AND DISPOSAL	Wet the dust if possible to do so, 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.
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SECTION 7: STORAGE AND HANDLING

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	Minimise 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	Crystalline Silica (Quartz) 0.1mg/m ³ time-weighted average (TWA) as respirable dust Calcium Silicate (Synthetic) 10mg/m ³ time-weighted average (TWA) as inspirable dust Cellulose (Wood fibre) 10mg/m ³ time-weighted average (TWA) as inspirable dust Note: Where a state or local authority prescribes a lower standard, the lower standard applies.
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ENGINEERING CONTROLS

Keep exposures to dust as low as practicable, preferably below 5 mg/m³ TWA (time-weighted average) of inspirable dust, to prevent respiratory discomfort. Cutting, sanding, rebating, drilling, grinding and other machining activities will generate dust. Power tools should be fitted with a local dust extraction device and filter. Hand tools (unpowered) generate less dust when cutting or sanding. If generated dust cannot be avoided, follow recommendations for protective equipment. Work in the open air or near external openings in the building, for adequate ventilation. Where dust is generated, in confined spaces, local mechanical ventilation should be used, to direct the dust away from the work areas. Personal protective equipment should be used in confined spaces and where dust levels exceed the maximum levels. Use safe work practices to minimize dust release and exposure. Clean work areas regularly by wet sweeping or vacuuming with a filtered vacuum. Never attempt dry sweeping as it cause silica dust to be kicked up and breathed in.

VENTILATION

Where safe work practices, adequate engineering and material handling controls are in place, ventilation is not normally required. Use local mechanical ventilation and or dust extraction in confined areas and where dust could escape into the working environment.

TOOLS AND EQUIPMENT

REPAIR AND MAINTENANCE

Vacuum and or wipe down all tools and equipment prior to maintenance and repair work. Avoid compressed air cleaning, follow recommended exposure controls and protective equipment as listed below.

SKIN PROTECTION

Avoid direct skin contact with fibre cement products. Wear loose appropriate clothing, such as long sleeved shirts and long trousers, head protection and standard duty leather or equivalent gloves. Wash work clothes regularly and do not shake out dust.

EYE PROTECTION

Wear dust resistant non-fogging safety goggles or glasses.

RESPIRATORY PROTECTION

Masons recommends the use of a particulate respirator, which comply with Australian and New Zealand Standard AS/NZS 1715: Selection, Use and Maintenance of Respiratory Protective Devices, and Australian and New Zealand Standard AS/NZS 1716: Respiratory Protective Devices when Exposed to Dust), be used at all times. If in doubt about the exposure level, use a respirator that offers the highest protection from respirable silica.



PERSONAL HYGIENE	Do not eat, drink, or smoke whilst handling and working with fibre cement. Wash dust from skin with mild soap and water after working with fibre cement.
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FLAMMABILITY	Fibre cement products are non-combustible and non-flammable.
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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	FLAMMABILITY LIMITS	Not Relevant
BOILING POINT	Not Relevant	MELTING POINT:	Not Relevant
FLASHPOINT	Not Relevant	EXPLOSIVE PROPERTIES:	Not Relevant
VAPOUR PRESSURE	Not Relevant	SPECIFIC GRAVITY:	Not Relevant
Not soluble in water		Not soluble in water	

10 - STABILITY AND REACTIVITY

STABILITY	This product is stable under ordinary condition.
CONDITIONS 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 oxidising agent such as fluorine, boron trifluoride, chlorine trifluoride, manganese trifluoride or oxygen difluoride may cause fires.

11 - TOXICOLOGICAL INFORMATION

Health Effects: Acute (short term)

SWALLOWED	Unlikely to occur, however may result in symptoms of acute indigestion.
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EYES	Excessive dust may cause eye irritation.
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SKIN	The dust, particularly in association with heat and sweat, can cause irritation, but it is not absorbed through skin.
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INHALED	Inhaled dust may cause nasal, throat and lung irritation, symptomatic through excess mucus and coughing.
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Health Effects: Chronic (long term)



INHALED

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 fibre 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.

12 - ECOLOGICAL INFORMATION

ECO-TOXICITY

Fibre Cement products are not toxic to aquatic and terrestrial organisms.

PERSISTENCE AND DEGRADABILITY No data

BIOACCUMULATIVE POTENTIAL No data

MOBILITY IN SOIL A low mobility would be expected in a landfill situation.

13 - DISPOSAL CONSIDERATION

DISPOSAL

Fibre Cement products must be disposed into a landfill site in accordance with local authority guidelines. Measures should be taken to prevent dust generation during disposal, and exposure and personal precautions should be observed (see above).

14 - TRANSPORT INFORMATION

TRANSPORT

No special transport requirements are necessary.

15 - REGULATORY INFORMATION

Not scheduled.

16 - OTHER INFORMATION

For further information on this product, please contact:

Masons NZ Ltd 0800 522 533 | info@mpb.co.nz | www.mpb.co.nz

18a David Mccathie Place, Silverdale 0932



ADDITIONAL INFORMATION

MINIMISE DUST GENERATION AND DO NOT BREATHE DUST!

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

This product does not contain Polybrominated biphenyls (PBBS), polybrominated diphenyl ethers (PBDEs) and short-chain chlorinated paraffins (C=10-13, SCCP).

Note: The information provided above is for general guidance only.

Masons NZ Ltd believe this information is accurate and reliable as of the date of this M.S.D.S, but no guarantee is made to the accuracy, reliability, or completeness of the information. Users are advised to make their own determination as to the informations suitability and completeness for their particular application.

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