

1. MATERIAL AND SUPPLY COMPANY IDENTIFICATION

Versiclad manufactures structural insulated panels using products purchased from 3rd party suppliers. This SDS is in relation to the Fibre Cement (FC) portion of panels that we use in the manufacture of Versipanel, Panelink, Renda Panel and other instances when Fibre Cement is used in our products.

The below SDS information is provided by Versiclad's primary manufacturer and supplier of Fibre Cement sheets. Versiclad sources Fibre Cement sheets from Australian manufacturers. Manufacturer details can be provided upon order if requested.

The following Safety Data Sheet applies to any Respirable Crystalline Silica dust potentially released from Versiclad products containing Fibre Cement during the course of installation, e.g., cutting, drilling, grinding or rebating. The intact Fibre Cement products are not expected to result in any adverse toxic effects.

Recommended use: As a manufactured insulated external and internal wall panel for dwellings, residential patio enclosures and sunrooms, caravan annexes and site offices.

Supplier: Versiclad Pty Ltd ABN: 21 003 167 753
Street Address: 3 Berriwerri Place, Casula NSW 2170
Telephone: +61 2 9821 2199 (or 1300 000 900 within Australia)
Email Address: info@versiclad.com.au
Emergency Phone Number: 000 Fire, Police and Emergency (Australia only)
Poisons Information: 13 11 26 (Australia Only)

<https://www.safeworkaustralia.gov.au/safety-topic/hazards/crystalline-silica-and-silicosis>

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This document can be viewed at versiclad.com.au/sds

2. HAZARDS IDENTIFICATION

Based on available information, this material is not classified as hazardous according to criteria of Safe Work Australia GHS 7.

The fine dust in/on the supplied product may include respirable crystalline silica. Cutting, breaking, drilling, sawing, grinding and finishing may generate dust which is Hazardous. Recommendations on Exposure Controls/Personal Protection (see Section 8 below) should be followed.

Poison Schedule: Not Applicable

DANGEROUS GOOD CLASSIFICATION

Not classified as Dangerous Goods by the criteria of the "Australian Code for the Transport of Dangerous Goods by Road & Rail" and the "New Zealand NZS5433: Transport of Dangerous Goods on Land".

3. COMPOSITION INFORMATION

CHEMICAL ENTITY CAS NO	PROPORTION
Calcium silicate hydrate 1344-95-2	<60 % (w/w) 20 -
Crystalline Silica (Sand, Quartz) 14808-60-7	55 % (w/w)
Cellulose (from wood pulp) 9004-34-6	<15 % (w/w)
Water 7732-18-5	<15 % (w/w)
Other non hazardous ingredients (fillers, pigments, acrylic sealers and surface coatings)	<10 % (w/w)

	100%

Note: The respirable crystalline silica (quartz) content (if any) is less than 0.1%

4. FIRST AID MEASURES

If poisoning occurs, contact a doctor or Poisons Information Centre (Phone Australia 131 126, New Zealand 0800 764 766).

Inhalation: Remove victim from exposure - avoid becoming a casualty. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. Seek medical advice if effects persist.

Skin Contact: If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. If swelling, redness, blistering or irritation occurs seek medical assistance.

Eye contact: If in eyes wash out immediately with water. In all cases of eye contamination it is a sensible precaution to seek medical advice.

Ingestion: Rinse mouth with water. If swallowed, do NOT induce vomiting. Give a glass of water to drink. Never give anything by the mouth to an unconscious patient. If vomiting occurs give further water. Seek medical advice.

PPE for First Aiders: Wear safety shoes, overalls, gloves. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.

Notes to physician: Treat symptomatically.

5. FIRE FIGHTING MEASURES

Hazchem Code: Not applicable.

Suitable extinguishing media: If material is involved in a fire use water fog (or if unavailable fine water spray), alcohol resistant foam, standard foam, dry agent (carbon dioxide, dry chemical powder).

Specific hazards: Non-combustible material.

Fire fighting further advice: Not applicable.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILLS

Dust is best cleaned up by wet sweeping and/or vacuuming with H or M class vacuum to avoid making dust airborne. Wetting down before sweeping up dust may be a useful control measure. Bag waste materials.

LARGE SPILLS

Collect and dispose of large pieces. Dust is best cleaned up by wet sweeping and/or vacuuming to avoid making dust airborne. Wetting down before sweeping up dust may be a useful control measure. Bag waste materials.

Dangerous Goods - Initial Emergency Response Guide No: Not applicable

7. HANDLING AND STORAGE

Handling: Avoid eye contact and repeated or prolonged skin contact. Avoid inhalation of dust.

Storage: Store in a cool, dry, well-ventilated place and out of direct sunlight. Store away from foodstuffs. Store away from incompatible materials described in Section 10. Store away from sources of heat and/or ignition. Keep container standing upright. Keep containers closed when not in use - check regularly for spills.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

	TWA		STEL		NOTICES
	ppm	mg/m ³	ppm	mg/m ³	
Calcium silicate	-	10	-	-	-
Cellulose (paper fibre)	-	10	-	-	-
Crystalline Silica - Quartz (respirable dust)	-	0.05	-	-	-

As published by Safe Work Australia.

TWA - The time-weighted average airborne concentration over an eight-hour working day, for a five-day working week over an entire working life.

STEL (Short Term Exposure Limit) - the average airborne concentration over a 15 minute period which should not be exceeded at any time during a normal eight-hour workday.

These Exposure Standards are guides to be used in the control of occupational health hazards. All atmospheric contamination should be kept to as low a level as is workable. These exposure standards should not be used as fine dividing lines between safe and dangerous concentrations of chemicals. They are not a measure of relative toxicity.

If the directions for use on the product label are followed, exposure of individuals using the product should not exceed the above standard. The standard was created for workers who are routinely, potentially exposed during product manufacture.

Biological Limit Values: As per the "National Model Regulations for the Control of Workplace Hazardous Substances (Safe Work Australia)" the ingredients in this material do not have a Biological Limit Allocated.

Engineering Measures: Keep exposures to dust as low as practicable. If power tools are used, they should be fitted with an efficient and well maintained on tool dust extraction device with a HEPA M class filter. Use a plunge saw with a specifically designed fibre cement blade.

Work in the open air and within external openings (such as doors and windows in buildings) is recommended. Local mechanical ventilation/extraction may be required to control airborne dust levels. Unpowered hand tools generate less dust when cutting or sanding. If generated dust cannot be avoided follow personal protection recommendations. Use a vacuum fitted with a HEPA M class filter instead of sweeping when cleaning dust generated from fibre cement panels.

Special Consideration for Repair and/or Maintenance of Contaminated Equipment: Where possible vacuum or wash down all gear, equipment or mobile plant prior to maintenance and repair work. If compressed air cleaning cannot be avoided, recommendations on Exposure Control and Personal Protection should be followed.

Personal Protection Equipment: SAFETY SHOES, OVERALLS, GLOVES, RESPIRATOR, SAFETY GLASSES.

Personal protective equipment (PPE) must be suitable for the nature of the work and any hazard associated with the work as identified by the risk assessment conducted.

When handling fibre cement, the use of a respirator is not required. When using power tools for cutting, drilling and sanding, personal respiratory protection must be used to reduce exposure to the level of airborne respirable crystalline silica.

A suitable P1 or P2 particulate respirator used in accordance with AS/NZS 1715 and AS/NZS 1716 may be sufficient for many situations, but where high levels of dust are encountered, more efficient cartridge-type or powered respirators or supplied air helmets or suits may be necessary. Use only respirators that bear the Australian Standards Mark and are fitted and maintained correctly and kept in clean storage when not in use.

Wear safety shoes, Safety glasses, overalls, gloves. Available information suggests that gloves made from leather should be suitable for intermittent contact. However, due to variations in glove construction and local conditions, the user should make a final assessment. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.

Hygiene measures: Keep away from food, drink and animal feeding stuffs. When using Fibre Cement sheets do not eat, drink or smoke. After handling, wash hands prior to eating, drinking or smoking. Avoid contact with clothing. Avoid eye contact and repeated or prolonged skin contact. Avoid inhalation of dust. Ensure that eyewash stations and safety showers are close to the workstation location.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form: Insulated structural wall panels constructed with Fibre Cement flat sheets, which may have a tinted or primed finish
Colour: Grey
Odour: Odourless

Solubility:	Insoluble in water
Specific Gravity:	1.3 – 1.7
Relative Vapour Density (air=1):	N App
Vapour Pressure (20 °C):	N App
Flash Point (°C):	N App
Flammability Limits (%)	Non flammable N
Autoignition Temperature (°C):	App

Melting Point/Range (°C):	N App
Boiling Point/Range (°C):	N App
pH:	N App
Viscosity:	N App
Total VOC (g/Litre):	N App

(Typical values only - consult specification sheet) N

Av = Not available, N App = Not applicable

10. STABILITY AND REACTIVITY

Chemical stability:	Stable
Conditions to avoid:	Dust generation
Incompatible materials: Hazardous	Strong acids
decomposition products: Hazardous	None
reactions:	None

11. TOXICOLOGICAL INFORMATION

No adverse health effects expected if the product is in its intact form and handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

Acute Effects:

Inhalation: Material may be an irritant to mucous membranes and respiratory tract.

Skin contact: Contact with skin may result in irritation.

Ingestion: Swallowing can result in nausea, vomiting and irritation of the gastrointestinal tract.

Eye contact: May be an eye irritant. Exposure to the dust may cause discomfort due to particulate nature. May cause physical irritation to the eyes.

Acute toxicity:

Inhalation: This material has been classified as non-hazardous in its intact form. Acute toxicity estimate (based on ingredients): LC₅₀ > 5 mg/L If dust is inhaled there may be irritation of the respiratory tract.

Skin contact: This material has been classified as non-hazardous. Acute toxicity estimate (based on ingredients): >2,000 mg/Kg bw, the dust may dry out skin and cause irritation.

Ingestion: This material has been classified as non-hazardous based on its intact form. Large amounts ingested may irritate the gastric tract causing nausea and vomiting.

Corrosion/Irritancy: Eye: this material has been classified as not corrosive or irritating to eyes. Skin: this material has been classified as not corrosive or irritating to skin in its intact form.

Sensitisation: Inhalation: this material has been classified as not a respiratory sensitiser in its intact form. Skin: this material has been classified as not a skin sensitiser in its intact form.

Aspiration hazard: This material has been classified as non-hazardous in its intact form.

Specific target organ toxicity (single exposure): This material has been classified as non-hazardous in its intact form.

Chronic Toxicity

Mutagenicity: This material has been classified as non-hazardous.

Carcinogenicity: This material has been classified as non-hazardous in its intact form. If dusts are generated respirable crystalline silica is classified by International Agency for Research on Cancer (IARC) as carcinogenic to humans by inhalation.

Reproductive toxicity (including via lactation): This material has been classified as non-hazardous in its intact form.

Specific target organ toxicity (repeat exposure): This material has been classified as non-hazardous in its intact form.

Crystalline Silica: Long term occupational over-exposure or prolonged breathing-in (or inhalation) of crystalline silica dust at levels above the TWA carries the risk of causing serious and irreversible lung disease, including bronchitis, and silicosis (scarring of the lung), including acute and/or accelerated silicosis. It may also increase the risk of other irreversible and serious disorders including scleroderma (a disease affecting the skin, joints, blood vessels and internal organs) and other auto-immune disorders.

Specific Toxic Effects: Inhalation of dust, including crystalline silica dust, is considered by medical authorities to increase the risk of lung disease, auto immune conditions and kidney conditions.

12. ECOLOGICAL INFORMATION

Avoid contaminating waterways.

Acute aquatic hazard: This material has been classified as non-hazardous. Acute toxicity estimate (based on ingredients): >100 mg/L

Long-term aquatic hazard: This material has been classified as non-hazardous. Non-rapidly or rapidly degradable substance for which there are adequate chronic toxicity data available OR in the absence of chronic toxicity data, Acute toxicity estimate (based on ingredients): >100 mg/L, where the substance is not rapidly degradable and/or BCF < 500 and/or log Kow < 4.

Ecotoxicity: No information available.

Persistence and degradability: No information available.

Bioaccumulative potential: No information available.

Mobility: No information available.

13. DISPOSAL CONSIDERATIONS

Persons conducting disposal, recycling or reclamation activities should ensure that appropriate personal protection equipment is used, see "Section 8. Exposure Controls and Personal Protection" of this SDS.

If possible material and its container should be recycled. If material or container cannot be recycled, dispose in accordance with local, regional, national and international Regulations.

14. TRANSPORT INFORMATION

ROAD AND RAIL TRANSPORT

Not classified as Dangerous Goods by the criteria of the "Australian Code for the Transport of Dangerous Goods by Road & Rail" and the "New Zealand NZS5433: Transport of Dangerous Goods on Land".

MARINE TRANSPORT

Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

Safety Data Sheet

AIR TRANSPORT

Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

15. REGULATORY INFORMATION

This material is not subject to the following international agreements:

Montreal Protocol (Ozone depleting substances)
The Stockholm Convention (Persistent Organic Pollutants)
The Rotterdam Convention (Prior Informed Consent)
Basel Convention (Hazardous Waste)
International Convention for the Prevention of Pollution from Ships (MARPOL)

This material/constituent(s) is covered by the following requirements:

The Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) established under the Therapeutic Goods Act (Commonwealth): Not Applicable.

AICIS Status: Formulations where all components are AICIS listed.

16. OTHER INFORMATION

Reason for issue: Revised

Safety Data Sheets are updated frequently. Please ensure that you have a current copy.

This information was prepared in good faith from the best information available at the time of issue. It is based on the present level of research and to this extent we believe it is accurate. However, no guarantee of accuracy is made or implied and since conditions of use are beyond our control, all information relevant to usage is offered without warranty. The manufacturer will not be held responsible for any unauthorised use of this information or for any modified or altered versions.

If clarification or further information is needed to ensure that an appropriate assessment can be made, the user should contact this company.

Our responsibility for product as sold is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available upon request.