

1. Identification of the product and of the company

Product name: EQUITONE [tectiva]
Intended product use: Fibre-cement facade panel, used for external and internal applications
Supplier: Etex Australia Pty Ltd
ABN: 61 003 621 010
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2. Hazards identification

This material is not classified as hazardous according to criteria of Safe Work Australia.

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

Description: fibre-cement facade panel
Chemical characterisations: This product is a manufactured article, not a substance nor a preparation. It is manufactured with cement, quartz sand, cellulose, natural calcium silicate, water and additives. As this product is made of mainly natural raw materials and mineral aggregates, it may contain traces of lime and mica.

CHEMICAL ENTITY	CAS NO	PROPORTION
Quartz (SiO ₂)	14808-60-7	30 - 40 %
Ingredients determined to be Non-Hazardous	-	Balance

100%

4. First aid measures

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

Inhalation: Not applicable as supplied.

Skin Contact: Not applicable as supplied.

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: Not applicable as supplied.
PPE for First Aiders: Wear safety shoes, overalls, gloves, safety glasses, impervious gloves.
Notes to physician: Treat symptomatically.

5. Fire fighting measures

Hazchem Code: Not applicable.

Suitable extinguishing media: Material does not burn but if 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

Avoid accidents, clean up immediately. Wear protective equipment to prevent skin and eye contamination and the inhalation of dust. Work up wind or increase ventilation. For small particles, sweep or vacuum up, but avoid generating dust.

Dangerous Goods - Initial Emergency Response Guide No: Not applicable.

7. Handling and storage

Handling and machining:

- Avoid eye contact and repeated or prolonged skin contact.
- Avoid inhalation of dust
- Dust particles, generated during machining and processing must be exhausted and the regulatory occupational exposure limits for total and respirable dust must be respected.
- Work in well ventilated area
- Use tools with dust exhaust system
- Wear respiratory protective equipment
- When dust concentration is higher than occupational exposure limit, respiratory protective equipment is obligatory
- Collect dust with a vacuum cleaner; hose down or wet sweep work areas

Storage:

- Pallets should be stored on a flat surface, in a dry, covered, frost-proof and well-ventilated area. During transport, the products should be covered.
- Store away from incompatible materials described in Section 10.

8. Exposure controls / Personal protection

National occupational exposure limits:

	TWA		STEL		NOTICES
	ppm	mg/m3	ppm	mg/m3	
Inspirable dust	-	10	-	-	-
Silica Crystalline - Quartz (respirable dust)	-	0.1	-	-	-

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 provided in this MSDS 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 following ingredients in this material requires Health Surveillance: Crystalline silica

For detailed information see "Guidelines for Health Surveillance (Safe Work Australia)"

Personal Protection Equipment: SAFETY SHOES, WORKING CLOTHES, SAFETY GLASSES/GOGGLES, GLOVES

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 cutting or mechanically abrading material, wear safety shoes, safety glasses/goggles and impervious gloves. Avoid generating and inhaling dusts. If dust exists, wear dust mask/respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716. Protective gloves should be worn when cutting material and as per site regulations, 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 and re-using.

Hygiene measures: When using do not eat, drink or smoke. 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

Appearance: Through coloured fibre cement sheeting. The surface of the sheet is characterized by fine sanding lines.

Form: Rigid sheet

Colour: Various colours

Odour: None

Important safety parameters:

- Boiling point: not applicable
- Melting point: not applicable
- Flash point: not applicable
- Flammability: not applicable
- Self-ignition: not applicable
- Explosive properties: not applicable
- Oxidizing properties: not applicable
- Vapour pressure: not applicable
- Relative Vapour Density (air=1): not applicable
- Minimum density: 1,580 kg/m³
- Water solubility: insoluble
- Fat solubility: not applicable
- pH value: 10 - 12
- Partition coefficient: not applicable
- Viscosity: not applicable
- Total VOC (µg/m³): <5

10. Stability and reactivity

Chemical stability: Stable.

Conditions to avoid: None.

Incompatible materials (materials to avoid): Strong acids.

Hazardous decomposition products: None.

Hazardous reactions: None.

11. Toxicological Information

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

Acute Effects

Inhalation: Not applicable as supplied. If material is cut or mechanically abraded material may be an irritant to mucous membranes or respiratory tract. The inhalation of fine (respirable size) quartz containing dust, particularly when in high concentrations or over prolonged periods of time can lead to lung disease and an increased risk of lung cancer.

Skin contact: Not applicable as supplied. If material is cut or mechanically abraded, contact with skin may result in irritation.

Ingestion: Not applicable as supplied. If material is cut or mechanically abraded swallowing can result in vomiting, nausea and irritation of the gastrointestinal tract.

Eye contact: Not applicable as supplied. If material is cut or mechanically abraded may be an eye irritant.

Exposure to the dust may cause discomfort due to the particulate nature. May cause physical irritation to the eyes.

Acute toxicity

Inhalation: This material has been classified as non-hazardous. Acute toxicity estimate (based on ingredients):

LC50 > 5 mg/L

Skin contact: This material has been classified as non-hazardous. Acute toxicity estimate (based on

ingredients): >2,000 mg/Kg bw

Ingestion: This material has been classified as non-hazardous. Acute toxicity estimate (based on ingredients):

>2,000 mg/Kg bw

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.

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

Aspiration hazard: This material has been classified as non-hazardous.

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

Chronic Toxicity

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

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

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

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

12. Ecological information

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: None

Persistence and degradability: The product is not readily biodegradable.
Bioaccumulative potential: None
Mobility: None

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

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:
All components of this product are listed on or exempt from the Australian Inventory of Chemical Substances (AICS).

16. Other information

Reason for issue: Revised.

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

The recommendations for machining and installation of the above mentioned product, have to be followed.

The health and safety information contained herein is believed to be accurate and correct based on our current knowledge at the date of issue and no liability can be accepted for any loss, injury or damage resulting from its use. It is intended as a guide for the safe handling, storage and use under normal conditions, but does not necessarily refer to the particular requirements of a customer when further advice should be obtained.

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