

## **MATERIAL SAFETY DATA SHEET (MSDS)**

Products: Finger-jointed Chinese Fir (Sp. Cunninghamia lanceolata) mouldings & Finger-jointed Chinese Fir pre-primed mouldings – with CaCO<sup>3</sup> extruded primer.

Statement of hazardous nature: In accordance with the criteria of Worksafe North America the products are not classified as hazardous substances.

Product name: Finger-jointed Chinese Fir (Sp. Cunninghamia lanceolata) mouldings & Finger-jointed Chinese Fir pre-primed mouldings – with CaCO<sup>3</sup> extruded Gesso primer.

Other names: Not applicable

Manufacturer's product code: None allocated

UN number: None allocated

Dangerous goods class & subsidiary risk: None allocated

Hazchem code: None allocated

Poisons schedule number: None scheduled

Use: Intended for use in various construction, joinery, & furniture applications.

Physical description & properties

Appearance: Unprimed mouldings are light brown in colour with opaque finger-joints.  
Primed mouldings are white in colour.  
The products are sold as profiled mouldings.

Boiling point (oC): Not applicable

Melting point (oC): Not applicable

Vapour pressure: Not applicable

Specific gravity (H<sub>2</sub>O=1): 0.4 – 1.0 (subject to moisture content)

Flashpoint: Not applicable

Flammability limit: Not applicable

Solubility in water: Highly insoluble

Auto-ignition temperature (oC): >200 oC

Odour threshold: On delivery there is no recognisable odour. Freshly cut products will emit a faint odour.

Ingredients:

Chemical name	CAS Number	Proportion
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Planted renewable/sustainable Chinese Fir	_	≥97%
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Species: Cunninghamia lanceolata

Sealer: Water based oil-sealing paint type B	_	≤0.1%
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Finger-jointing resin: Aqueous polyurethane adhesive for wood DLS-3600	_	≤0.3%
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Laminating resin: Aqueous polyurethane adhesive for wood DLS-3800	_	≤0.4%
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CaCO <sup>3</sup> Gesso primer: Kaolin Resene Gesso type F	_	≤1.5%
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Primer: Water based wood paint type S	_	≤0.7%
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Health hazard information

It the delivered state the products are not classified as hazardous substances under the guidelines of Worksafe North America.

Handling: There is minor risk injury from splinters when handling the products. Hands should be washed after contact with any wood product.

Exposure to dust from machining & cutting the products:- Acute

Swallowing: Although unlikely to occur, swallowing the dust may lead to abdominal discomfort

Eyes: The dust from cutting wood and primed wood may irritate eyes causing discomfort & redness

Skin: The dust from cutting wood and primed wood may irritate the skin causing itching & rash

Inhalation: The dust from cutting wood and primed wood may irritate the nose, throat & lungs, particularly in sufferers of respiratory & chest illness, or asthma

Chronic Repeated exposure over many years to unrestricted wood dust increase the risk of nasal cancer & lung fibrosis (scarring). Similarly, there is increased risk of respiratory & skin sensitization, with possible lead-on effects to asthma & dermatitis.

Wood dust has been evaluated by the International Agency for Research on Cancer (IARC) as group 1, carcinogenic to humans.  
First Aid

Swallowing: Give water to drink. If abdominal discomfort occurs seek medical attention.

Eyes: Flush with clean, cool, flowing water for 15-minutes; seek medical assistance if symptoms persist.

Skin: Wash with mild soap & running water. Any clothing containing wood dust should be removed & washed separately from household washing.

Inhalation: Leave the area affected by dust.

Advice to medical consultant: Treat symptomatically.

Precautions for use (Manufacturer's recommendation):

Wood dust (softwood): Minimise exposure to wood dust by provision of mechanical extraction capability to less than 1.0mg/m<sup>3</sup> TWA.

Engineering controls:-When working with the products dust generation must be minimized.  
Working areas should be sufficiently ventilated & cleaned regularly to ensure safe working conditions. All equipment must be fitted with approved dust extraction devices.

Personal protection:-

Eyes: Safety glasses should be worn.

Skin: Minimise exposure to skin by wearing appropriate wood-working clothing; long sleeves & trousers are recommended.  
Gloves should be worn.  
Wash exposed skin with mild soap & running water.

Any clothing containing wood dust should be removed & washed separately from household washing.

**Inhalation:** When cutting or machining the products, users should wear class P1 or P2 filters & respirators

**Flammability:-**The products are combustible although are difficult to ignite under normal working processes & applications.

Dust particles are combustible so work areas must be kept clean & ventilated. Work areas must be clear of heat sources & electrical equipment not directly used in working with the products.

Smoking in work areas should not be permitted.

#### Safe handling guidelines

**Storage & transport:** There are no special transport requirements for the products, although they must be well secured & protected from the weather. Storage should be provided in ventilated areas away from heat sources or potential sparks.

**Spills & disposal:** All waste product must be sealed in suitable containers & disposed of at approved landfill facilities for wood products.

**Fire & explosion hazard:** Smoke from burning products or their residues will contain carbon dioxide & other pyrolysis contaminants associated with organic matter.  
Avoid breathing smoke.  
Use water or dry foam extinguishers to put out fires.

**Smoking & other dust nuisance:** The risk of health injury from wood dust is heightened by the inhalation of particles & dust from other sources such as cigarette smoke & machinery. Keep all work areas well ventilated & tidy.

#### Other notes:

The manufacturer has compiled this MSDS for its moulding products under the provision of Worksafe North America recommendations. It is inappropriate for third parties to in any way alter this information. The manufacturer keeps this information current & will revise the details herein as required.

Information provided in this MSDS has been collaborated from both direct & indirect suppliers to The manufacturer. Whilst every effort has been made to verify this information, the manufacturer accepts no responsibility for incorrect information provided by suppliers, for information that becomes out-dated or superceded, or for any unauthorized changes made to this MSDS.

The manufacturer provides this information in good faith as representative of typical working conditions for the products. The manufacturer accepts no responsibility for application of this information under conditions that are beyond their control.

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