

SAFETY DATA SHEET

MATILDA HOOP (HOOP PINE PLYWOOD)

WOOD VENEER PRODUCT

NOT CLASSIFIED AS HAZARDOUS ACCORDING TO CRITERIA OF WORKSAFE AUSTRALIA

IMPORTANT NOTICE: This Safety Data Sheet (SDS) is written by Matilda Veneer Pty Ltd in accordance with Worksafe Australia Guidelines. As such, the information contained herein must not be altered, deleted or added to. Matilda Veneer Pty Ltd will issue a new MSDS when there is a change in product specifications and/or Worksafe Australia guidelines/regulations. Matilda Veneer Pty Ltd will not accept responsibility for any changes made to its SDS, in content or by any other person.

1. PRODUCT IDENTIFICATION

Product Name:	Matilda Hoop
Registered Trade Name:	Matilda Veneer Pty Ltd
Dangerous Goods Class:	None allocated
Hazchem Code:	None allocated
Poisons Schedule:	None allocated
Use:	Residential, commercial, industrial and marine construction, furniture and fitments and/or general purpose building material. In all above listed cases where a structurally rated product is not required.

The products are manufactured as pressed boards ranging in standard thickness from 1.5mm to 30mm. They are made from wood veneers of Hoop Pine (*araucaria cunninghamii*) which are bonded together with resin.

Odour:

No distinctive odour. Newly manufactured plywood and freshly machined surfaces tend to have the odour of the wood species from which the plywood is manufactured.

2. HAZARDOUS INGREDIENT/IDENTITY INFORMATION

Name	CAS#	Percent	Comments
Wood	None	>92	Total dust Respirable dust fraction Inhalable
Phenol formaldehyde resin	40798-65-0	<8	
Or			
Melamine-urea-formaldehyde resin	25036-13-9	<8	
Or			
Urea formaldehyde resin	9011-05-6	<8	

NOTE:

The above ingredients are bonded together under heat and pressure. The process cures the resin. However, small amounts of formaldehyde may be released from the finished product. In newly manufactured plywood, which is the worst case scenario, formaldehyde emission has been measured in the range 0.03-0.05ppm using the large scale chamber test material.

As plywood products have emission levels of 0.03 to 0.05 ppm well below the Worksafe Australia recommended level of 0.1 ppm, under reasonably foreseeable circumstances it is unlikely that the presence of traces of formaldehyde in the product poses a health risk.

The known health effects of the constituents of the boards are as follows:

Cured Resin:

The cured resin is inert and not likely to contribute to health effects.

Formaldehyde:

Formaldehyde gas is irritating to the nose and throat, eyes and skin. It is recommended that storage areas be well ventilated to avoid any irritating effects of a build-up of formaldehyde.

Worksafe Australia has classified formaldehyde as a Category 3 carcinogen - possibly carcinogenic to humans - on the basis of evidence that inhalation of formaldehyde gas caused nasal cancer in experiments with rats. In the experiments, groups of rats were exposed to formaldehyde for 6 hours a day, 5 days a week for up to 2 years at concentrations of 0, 2.0, 5.6 and 14.3 ppm. 50% of those exposed at 14.3 ppm, 1% exposed to 5.6 ppm, but none exposed to 2.0 or 0 ppm developed nasal cancers.

There have been more than thirty epidemiological studies involving over 130,000 people occupationally exposed to formaldehyde. These, and studies of behaviour to toxicity, indicate that exposure to formaldehyde below the Worksafe Australia occupational Exposure Standard of 1 ppm TWA (time weighted average) will not result in an increased risk of cavity cancers in humans.

3. HAZARDS IDENTIFICATION

This product, in its natural form, is not classified as hazardous according to criteria of Worksafe Australia.

Primary Health Hazards: The primary health hazard posed by this product is thought to be due to exposure to wood dust.

Primary Route(s) of Exposure:

Skin:	Dust
Inhalation:	Dust
Eye:	Dust

Medical Conditions Generally Aggravated by Exposure: Wood dust may aggravate pre-existing respiratory conditions or allergies.

Acute Health Hazards: Wood dust can cause eye irritation. Certain species of wood dust can elicit allergic contact dermatitis in sensitised individuals. Wood dust may cause respiratory irritation, nasal dryness, coughing, sneezing and wheezing as a result of inhalation. Formaldehyde may cause temporary irritation of skin, eyes, or Respiratory system. Formaldehyde may cause sensitisation in susceptible individuals.

Chronic Health Hazards: Wood dust, depending on the species, may cause allergic contact dermatitis and respiratory sensitisation with prolonged, repetitive contact or exposure to elevated dust levels. Prolonged exposure to wood dust has been reported by some observers to be associated with nasal cancer. Formaldehyde is classified by OSHA and NTP as a probable or potential carcinogen.

4. EMERGENCY AND FIRST-AID PROCEDURES

Ingestion: Not applicable under normal use.

Eye Contact: Wood dust may cause mechanical irritation. Treat dust in eye as foreign object. Flush with water to remove dust particle. Seek medical help if irritation persists.

Skin Contact: Wood dust of certain species can elicit allergic contact dermatitis in sensitized individuals, as well as mechanical irritation resulting in erythema and hives. Seek medical help if rash, irritation or dermatitis persists.

Skin Absorption: Not known to occur under normal use.

Inhalation: Wood dust may cause unpleasant obstruction in the nasal passages, resulting in dryness of nose, dry cough, sneezing and headaches. Remove to fresh air. Seek medical help if persistent irritation, severe coughing or breathing difficulty occurs.

5. ACCIDENTAL RELEASE MEASURES

Steps to be Taken In Case Material Is Released or Spilled: Not applicable for product in purchased form. Wood dust generated from sawing, sanding, drilling, or routing of this product may be vacuumed or shovelled for recovery or disposal. Avoid dusty conditions and provide good ventilation.

6. HANDLING AND STORAGE

Precautions to be Taken in Handling and Storage: No special handling precautions are required for products in purchased form. Avoid repeated or prolonged breathing of wood dust. These products may release very small quantities of formaldehyde in gaseous form. Under foreseeable conditions of use, these products release less than 3.5 mg HCHO/h*m² in standard large chamber test conditions. Store in well-ventilated, cool, dry place away from open flame

7. EXPOSURE CONTROL MEASURES, PERSONAL PROTECTION

Personal Protective Equipment:

RESPIRATORY PROTECTION – Not applicable for product in purchased form.

PROTECTIVE GLOVES – Not required. However, cloth, canvas, or leather gloves are recommended to minimise potential slivers or mechanical irritation from handling product.

EYE PROTECTION – Not applicable for product in purchased form. Goggles or safety glasses are recommended when machining this product.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT – Not applicable for product in purchased form. Outer garments may be desirable in extremely dusty areas.

WORK/HYGIENE PRACTICES – Follow good hygienic and housekeeping practices. Clean up areas where wood dust settles to avoid excessive accumulation of this combustible material. Minimize blowdown or other practices that generate high airborne-dust concentrations.

Ventilation:

LOCAL EXHAUST – Provide local exhaust as needed so that exposure limits are met.

MECHANICAL (GENERAL) – Provide general ventilation in processing and storage areas so that exposure limits are met.

SPECIAL – None

8. STABILITY AND REACTIVITY

Stability: Stable

Conditions to Avoid: Avoid open flame. Product may ignite at temperatures in excess of 204°C.

Incompatibility (Materials to Avoid): Avoid contact with oxidizing agents.

Hazardous Decomposition or By-Products: Thermal decomposition products include carbon monoxide, carbon dioxide.

Hazardous Polymerization: Will not occur

Sensitivity to Mechanical Impact: Not applicable

Sensitivity to Static Discharge: Not applicable

9. PHYSICAL DESCRIPTION/PROPERTIES

Appearance:	Solid pressed panels
Boiling point:	Not applicable
Vapour pressure:	Not applicable
Vapour density:	Not applicable
Melting point:	Not applicable

Solubility in water:	Highly insoluble
Flash point:	Not applicable
Specific Gravity:	0.50 – 1.00
Auto ignition point:	>220°C
Flammability in air:	Fine airborne dust, generated when this product is machined can ignite spontaneously

10. PRECAUTIONS FOR USE

Exposure Standards:

The Worksafe Australia Exposure Standards for softwood (e.g. pine) dust, published in October 1991, are:

5mg/m³ time-weighted average (TWA)

10mg/m³ short term exposure limit (STEL)

Wood dust is also listed as a sensitiser and the Exposure Standard is under review. In the interests of maintaining a safe working environment, it is recommended that workplace exposures to wood dust should not exceed 1.0mg/m³ TWA.

Engineering Controls:

All work with these boards should be carried out in such a way as to minimise the generation of wood dust.

Under factory conditions, machining should be done with equipment fitted with exhaust devices capable of removing wood dust at the source. Hand power tools should be fitted with dust bags.

Work areas should be well ventilated. They should be cleaned at least daily, and wood dust should be removed by vacuum cleaning or by the wet sweeping method.

Skin Protection:

Wear loose, comfortable clothing. Long-sleeved shirts, trousers and comfortable work gloves (AS2161) should be worn if skin irritation occurs.

After handling boards, wash with mild soap and water. Do not scratch or rub the skin if it becomes irritated.

Wash work clothes regularly and if possible separate from other clothes.

Respiratory Protection:

If wood dust exposures are not controlled when machining (sawing, routing, planing, drilling, sanding, etc.) a class P1 or P2 replaceable filter or disposable face piece respirator should be worn. Respirators should comply with AS/NZSI716, and be selected, used and maintained in accordance with AS/NZSI715.

Eye Protection:

Safety glasses or non-fogging goggles (AS/NZS1337') should be worn when machining.

Flammability:

These boards are flammable but difficult to ignite.

Avoid a build-up of wood dust and keep all storage and work areas well ventilated.

Avoid sources of radiant heat and flame, and avoid electrical equipment, including dust extraction equipment.

People must not smoke in storage or work areas.

11. SAFE HANDLING INFORMATION**Storage and Transport:**

The boards should be stored in well ventilated areas away from source of heat, flames or sparks.

No special transport requirements are considered necessary.

Spills and Disposals:

Off-cuts and general waste material should be placed in containers and disposed of at approved landfill sites, or burnt in an approved furnace or incinerator, in accordance with disposal authority guidelines.

Wood dust should be cleaned up by vacuuming or wet sweeping.

Fire Exposure Hazard:

Early fire hazard properties as determined in accordance with AS1530 Part 3.

Ignitability Index	14
Spread of Flame Index	8
Heat Evolved Index	8-10
Smoke Developed Index	2-3

Burning or smouldering boards or wood dust can generate carbon dioxide and other pyrolysis products typical of burning organic material. Dry wood dust in high concentrations can be explosive. Use water or dry foam fire extinguishers.

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If there is any further information required by anyone in relation to this SDS, then contact Matilda Veneer Pty Ltd either by phone or post. Phone numbers and address as above.