



## Material Safety Data Sheet – Masonite™ Hardboard

### SECTION 1 IDENTIFICATION OF THE MATERIAL AND SUPPLIER

<b>Product Name</b>	Masonite™ Hardboard
<b>Other Names</b>	Masonite™ Tempered Pegtuff™
<b>Recommended Use</b>	Wall/ ceiling linings, furniture and cabinet linings, general purpose building boards, door facings, floor underlay, automotive components, packaging, space support, shopfit panels.
<b>Company Name</b>	Australian Hardboards Limited
<b>Address</b>	51 Ashburn Road Bundamba Qld 4304
<b>Emergency Tel</b>	1300 366 681 (available between 7.30 am – 4.00 pm)
<b>Phone</b>	1300 366 681
<b>Fax</b>	1800 666 081

### SECTION 2 HAZARDS IDENTIFICATION

<b>Hazard Classification</b>	This product in its intact state is not classified as hazardous, but the dust from this product is classified as hazardous according to the criteria of the National Occupational Health and Safety Commission [NOHSC:1008(2004) and <a href="http://www.ascc.gov.au/applications/hsis">www.ascc.gov.au/applications/hsis</a> .
<b>Risk Phrases</b>	R36/37/38 Irritating to eyes, respiratory system and skin (dust). R42/43 May cause sensitization by inhalation and skin contact.
<b>Safety Phrases</b>	S20/21 When using do not eat, drink or smoke. S22 Do not breathe dust. S36 Wear suitable protective clothing.

### SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	Name	CAS	Proportion %
	Hardwood (mixed eucalypt species)	-	> 97
	Paraffin Wax	8002-74-2	< 1
	Phenolic resin	-	< 1
	Linseed oil	8001-26-1	< 1

### SECTION 4 FIRST AID MEASURES

<b>Swallowed</b>	Give water to drink. If abdominal discomfort occurs seek medical attention.
<b>Eye</b>	Flush with flowing water for at least 15 minutes, and if symptoms persist seek medical attention.
<b>Skin</b>	Wash with mild soap and running water. Remove clothing contaminated with wood dust.
<b>Inhaled</b>	Move to fresh air.
<b>First Aid Facilities</b>	Eye wash and shower facilities.

**Aggravated medical conditions caused by exposure.**

Repeated exposure over many years to uncontrolled wood dust increases the risk of nasal cavity cancer. Inhalation of wood dust may also increase the risk of lung fibrosis (scarring).

There are increased risks of respiratory/ skin sensitisation from wood dust resulting in asthma/ dermatitis respectively.

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

**SECTION 5****FIRE FIGHTING MEASURES**

**Auto-ignition Temperature (°C):** >200 degrees Celsius

Early Fire Hazard Indices to AS:1530.3

Ignitability Index: 14

Spread of Flame Index: 7

Heat Evolved Index: 6-7

Smoke Developed Index: 2-3

**Extinguisher**

Water  
Foam  
Powder (ABE)  
Wet chemical  
Vapourising liquid

**Hazards from combustion products**

Burning or smouldering boards or dust can generate carbon dioxide and other pyrolysis products typical of burning organic material.

**Special protective precautions and equipment for fire fighters**

Wear full protective clothing and self contained breathing apparatus.  
Prevent, by any means available, water/dust mixtures from entering drains or water course.

**Hazchem code**

None allocated

**SECTION 6****ACCIDENTAL RELEASE MEASURES****Emergency procedures**

As with many solids, any dust that is generated may be ignited if mixed with air in critical proportions and in the presence of an ignition source.  
Keep work areas dust free.

**Methods and materials for containment and clean up.**

Work areas should be well ventilated. They should be cleaned at least daily, and dust removed by vacuum cleaning (avoid sparks and sources of ignition in all electrical equipment, including dust extraction equipment) or wet sweeping method.

**SECTION 7****HANDLING AND STORAGE****Precautions for safe handling**

These boards are flammable but difficult to ignite.  
Fine airborne dust can ignite so avoid build-up of dust and keep all storage and work areas well ventilated.  
Avoid sources of radiant heat and flame; and avoid sparks and sources of ignition in all electrical equipment, including dust extraction equipment.  
People must not smoke in storage or work areas.  
Dry dusts in high concentrations can be explosive.

**Conditions for safe storage including any incompatibilities**

Boards should be stored in well ventilated areas away from sources of heat, flame or sparks.  
Avoid storing with Oxidants.

## SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

National exposure standards for mixture [www.ascc.gov.au](http://www.ascc.gov.au) [NOHSC:1003(1995)]

Component	Breathing Zone				Mixture conc. (%)
	TWA ppm	TWA mg/m <sup>3</sup>	STEL ppm	STEL mg/m <sup>3</sup>	
Wood Dust (hardwood)	-	1	-	-	> 97
Paraffin Wax	-	2	-	-	< 1

**Biological Limit Values** No biological limit allocated

**Engineering Controls** All work with these boards should be carried out in such a way as to minimise the generation of, and exposure to dust, smoke or vapour. Under factory conditions, sawing, drilling, sanding, heat pressing and laser cutting etc. should be done with equipment fitted with exhaust devices capable of removing wood dust, smoke and vapour at source. Hand power tools should be fitted with dust bags and used in well ventilated areas. Work areas should be well ventilated. They should be cleaned at least daily, and dust removed by vacuum cleaning or wet sweeping method.

### Personal Protective Equipment

**Eyes.** Industrial safety glasses or non-fogging goggles conforming with Australian and New Zealand Standards AS/NZS 1336 *Recommended practices for occupational eye protection*, should be worn if there is a risk of dust getting into the eye such as when machining.

**Hands/Feet** Comfortable work gloves, conforming with Australian Standards AS 2161 *Industrial safety gloves and mittens*, should be worn.

**Other** Wear loose, comfortable clothing. Long-sleeved shirts/ trousers are recommended to prevent skin irritation. 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 separately from other clothes.

**Respirator** Avoid breathing dust, smoke or vapour. A class P1 or P2 replaceable filter or disposable half face-piece respirator should be worn when machining, heat pressing or laser cutting. Australian and New Zealand Standards AS/NZS 1715 *Selection, use and maintenance of respiratory devices* and AS/NZS 1716 *Respiratory protective devices* should be followed in the selection, fit-testing, use, storage and maintenance of the respirators.

## SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

**Appearance** The products are manufactured as pressed, hardboards ranging in thickness from 2.5 mm to 6.4mm. They are made from hard wood fibers, which are reunited under heat and pressure with a small (<1%) amount of paraffin wax. Tempered boards (Tempered and Dura-Cote) also contain <1% phenolic resin and are coated with polymerised linseed oil before curing.

**Odour** Slight odour of the species of hardwood it is manufactured from.

**pH** Not applicable

**Vapour pressure** Not applicable

**Vapour density** Not applicable

**Boiling point** Not applicable

**Melting Point** Not applicable

**Solubility in water** Negligible

**Density** 0.9 – 1.1 Kg/L

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**SECTION 10 STABILITY AND REACTIVITY**


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<b>Chemical stability</b>	These boards are flammable but difficult to ignite. <b>Auto-ignition Temperature (°C):</b> >200 degrees Celsius
<b>Conditions to avoid</b>	Avoid sources of radiant heat and flame; and avoid sparks and sources of ignition in all electrical equipment, including dust extraction equipment. Avoid excessive build up of dust from boards.
<b>Incompatible materials</b>	Oxidants.
<b>Hazardous decomposition products</b>	Smoke, Carbon Monoxide and Carbon Dioxide.
<b>Hazardous reactions</b>	Nil.

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**SECTION 11 TOXICOLOGICAL INFORMATION**


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<b>Inhaled:</b>	The dust, smoke or vapour may irritate the nose, throat and lungs, especially in people with upper respiratory tract or chest complaints such as asthma.
<b>Skin contact:</b>	The dust, smoke or vapour may irritate the skin, resulting in itching and redness; and dermatitis in some people.
<b>Eyes contact:</b>	The dust, smoke or vapour may be irritating to the eyes causing discomfort and redness.
<b>Swallowed:</b>	Unlikely to occur but swallowing the dust may result in abdominal discomfort.

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**SECTION 12 ECOLOGICAL INFORMATION**


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No data available for this product.

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**SECTION 13 DISPOSAL CONSIDERATIONS**


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<b>Disposal methods and containers</b>	Consult State Land Waste Management Authority for disposal.
<b>Special precautions for landfill or incineration</b>	Off-cuts and general waste material should be placed in containers and disposed of at approved disposal facilities, or burnt in an approved furnace or incinerator, in accordance with disposal authority guidelines.

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**SECTION 14 TRANSPORT INFORMATION**


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No special transport requirements are considered necessary.

<b>UN Number</b>	None allocated
<b>UN Proper shipping name</b>	Not applicable
<b>Class</b>	None allocated
<b>Subsidiary risk</b>	None allocated
<b>Packing Group</b>	Not applicable

**Special precautions for user**

All work with these boards should be carried out in such a way as to minimise the generation of, and exposure to dust, smoke or vapour. Under factory conditions, sawing, drilling, sanding, heat pressing and laser cutting etc. should be done with equipment fitted with exhaust devices capable of removing wood dust, smoke and vapour at source. Hand power tools should be fitted with dust bags and used in well ventilated areas. Work areas should be well ventilated. They should be cleaned at least daily, and dust removed by vacuum cleaning or wet sweeping method.

**Hazchem Code** None allocated

**SECTION 15****REGULATORY INFORMATION****Poison Schedule**

Not scheduled

**SECTION 16****OTHER INFORMATION**

**Date of Preparation:** 5<sup>th</sup> March 2007

**Literature references.**

[www.ascc.gov.au](http://www.ascc.gov.au)

**Abbreviations:**

NOHSC National Occupational Health and Safety Commission

TWA Time weighted average

STEL Short term exposure limit

CAS Number Chemical Abstract Service registry number

TLV Threshold limit value

*Safety data sheets are updated frequently. Please ensure that you have a current copy.*

*The information contained herein is based on data considered accurate and reliable to the best of our knowledge and belief as of the date compiled. However no warranty is expressed or implied regarding the accuracy of these data or the results to be obtained from the use hereof. Australian Hardboards Limited assumes no responsibility for personal injury or property damage to vendors, users or third parties caused by the material, Such users or vendors assume all risks associated with the use of the material. It is the users responsibility to satisfy themselves as to the suitability and completeness of the information for their own particular use. The user must determine whether the use of the information and data is in accordance with local laws and regulations.*

**END OF MSDS**