Material Safety Data Sheet – Masonite™ Hardboard

SECTION 1 IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name Masonite™ Hardboard

Other Names Masonite™ M4

Recommended Use Wall/ ceiling linings, furniture and cabinet linings, general purpose building boards, door facings, floor underlay, automotive components, packaging, space support, shopfit panels.

Company Name Australian Hardboards Limited
Address 51 Ashburn Road Bundamba Qld 4304

Emergency Tel 1300 366 681 (available between 7.30 am – 4.00 pm)
Phone 1300 366 681
Fax 1800 666 081

SECTION 2 HAZARDS IDENTIFICATION

Hazard Classification 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 www.ascc.gov.au/applications/hsis.

Risk Phrases R36/37/38 Irritating to eyes, respiratory system and skin (dust).
R42/43 May cause sensitization by inhalation and skin contact.

Safety Phrases 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)	-	> 97.5
Paraffin Wax	8002-74-2	< 2.5

SECTION 4 FIRST AID MEASURES

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

Eye Flush with flowing water for at least 15 minutes, and if symptoms persist seek medical attention.

Skin Wash with mild soap and running water. Remove clothing contaminated with wood dust.

Inhaled Move to fresh air.

First Aid Facilities 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 (^{0}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 [NOHSC:1003(1995)]

Component	Breathing Zone				Mixture conc. (%)
	TWA ppm	TWA mg/m^3	STEL ppm	STEL mg/m^3	
Wood Dust (hardwood)	-	1	-	-	> 97.5
Paraffin Wax	-	2	-	-	< 2.5

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.

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

SECTION 10 STABILITY AND REACTIVITY

Chemical stability These boards are flammable but difficult to ignite.

Auto-ignition Temperature (^{0}C): >200 degrees Celsius

Conditions to avoid 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.

Incompatible materials Oxidants.

Hazardous decomposition products Smoke, Carbon Monoxide and Carbon Dioxide.

Hazardous reactions Nil.

SECTION 11 TOXICOLOGICAL INFORMATION

Inhaled:

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.

Skin contact:

The dust, smoke or vapour may irritate the skin, resulting in itching and redness; and dermatitis in some people.

Eyes contact:

The dust, smoke or vapour may be irritating to the eyes causing discomfort and redness.

Swallowed:

Unlikely to occur but swallowing the dust may result in abdominal discomfort.

SECTION 12 ECOLOGICAL INFORMATION

No data available for this product.

SECTION 13 DISPOSAL CONSIDERATIONS

Disposal methods and containers Consult State Land Waste Management Authority for disposal.

Special precautions for landfill or incineration 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.

SECTION 14 TRANSPORT INFORMATION

No special transport requirements are considered necessary.

UN Number None allocated
UN Proper shipping name Not applicable
Class None allocated
Subsidiary risk None allocated
Packing Group 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: 5th March 2007

Literature references.
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.

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END OF MSDS