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Issue: A
Revision: 5
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MATERIAL SAFETY DATA

SAWDUST FROM NON TREATED SOFTWOOD

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

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IDENTIFICATION

Product name: Sawdust from Non Treated Plantation Softwood.

Other Names: Pinus Elliotti, Pinus Caribaea, Pinus Radiata, Araucaria Cunninghamii sawdust.

UN number: None allocated.

Trade name: Various.

Dangerous goods class: None allocated.

Subsidiary risk: None allocated.

Hazchem code: None allocated.

Poisons schedule number: None allocated.

Use: Sawdust from non treated plantation softwood is suitable for landscape uses: ground cover and in potting mix; for manufacture of wood panels and for heating in boilers.

Note: All sawdust from non treated plantation softwood are from plantation softwood, not eucalypt or other hardwoods.

Physical Description / Properties:

Appearance: Sawdust from non treated plantation softwood has a blond colour.

Odour: Slight wood odour.

Boiling Point/Range: None allocated.

Melting Point: None allocated.

Vapour Pressure (20°C): None allocated.



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Flammability limits in air:	Fine airborne dust can ignite spontaneously. (See "Fire/explosion hazard").
Specific gravity (20°C): [water = 1]	Varies according to timber species and moisture content.
Flash Point:	None allocated.
Auto ignition point:	>220 °C.
Solubility in water:	Highly insoluble.
Molecular weight:	None allocated.
pH (1% aqueous solution):	None allocated.

Ingredients:

Name	CAS No.	Proportion by Weight
Softwood	None	> 100 %

HEALTH HAZARD INFORMATION

Health Effects:

The main health effects relating to sawdust from non treated plantation softwood relate to prolonged exposure to fine wood dust. Wood dust may cause irritation to the nose, throat, skin and eye. Wood dust has been classed as a sensitiser (HSIS) and some people may develop allergic dermatitis or asthma.

The following health effects refer to the sawdust from non treated plantation softwood, based on current research and knowledge.

Acute Health Effects:

Swallowed:	Unlikely under normal conditions. Swallowing sawdust may cause abdominal discomfort.
Eye:	Wood dust is irritating to the eyes resulting in redness and watering.
Skin:	Skin contact with sawdust may cause skin irritation. Allergic contact dermatitis may occur.
Inhaled:	Inhalation of sawdust may be irritating to the nose, throat and lungs. Asthma may occur.

Chronic Health Effects:

Chronic:	Repeated inhalation of fine wood dust from this product may increase the risk of nasal cavity cancer. Exposure to sawdust in some susceptible people may result in respiratory and skin sensitisation leading to asthma and dermatitis respectively. However, if the work practices noted in this MSDS are followed, and exposure to airborne dusts are kept low, no acute or chronic health effects are anticipated.
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First Aid:

Swallowed:	If poisoning occurs, contact a doctor or Poisons Information Centre. Give water to drink. Seek medical attention if any abdominal discomfort.
Eyes:	Flush thoroughly with water for at least 15 minutes. If irritation persists seek medical attention.
Skin:	Wash thoroughly with mild soap and water. Remove clothing if contaminated with sawdust.



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Inhaled: Leave the dusty area.

Advice to Doctor:

Advice to Doctor: Treat symptomatically.

PRECAUTIONS FOR USE

Exposure standards: Worksafe Australia Exposure Standard.

Name mg/m ³	TWA ppm	mg/m ³	STEL ppm	
Wood dust (softwood) Measured as inspirable particulate sen – sensitising to skin and respiratory tract	5.0	-	10	-

Hyne Timber Recommendation: Keep exposure as low as practicable with the aim of maintaining inspirable wood dust levels below 1.0 mg/m³ TWA.

Engineering controls: All work must be carried out in such a way as to minimise exposure to sawdust. Measures should be taken to eliminate the build up of static electricity.

Respiratory Protection: If engineering controls are not practical then respiratory devices may need to be worn. Avoid breathing sawdust from non treated plantation softwood. Wear a P1 or P2 respirator suitable for particulate and conforming with Australian Standards AS/NZS 1715 and AS/NZS 1716 when exposed to dust. These standards should be followed in the selection, fit-testing, use, storage and maintenance of the respirators.

Skin Protection: Wear protective gloves (AS/NZS 2161.1), loose comfortable clothing and boots. Long sleeved shirts and long trousers are recommended if skin irritation occurs. Wash skin with mild soap and water after working with non treated plantation softwood sawdust. Launder work clothes regularly and separately from other clothes.

Eye protection: Non-fogging goggles or safety glasses (AS/NZS 1337) should be worn if there is a risk of sawdust getting into the eyes.

Flammability: Not flammable under normal conditions of use, but is combustible and will help sustain a fire.



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SAFE HANDLING INFORMATION

Storage:	Store in a well ventilated area away from sources of heat, flame, sparks or other contamination. While no special transport requirements are recommended, it should be noted that this product can spontaneously combust. Avoid confining this product for long periods of time in poorly ventilated containers.
Road and Rail Transport:	Not classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for transport by Road and Rail.
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.
Spills and disposal:	Waste material should be placed in containers and disposed of at approved landfill sites or incinerated in accordance with local authority guidelines. Sawdust from non treated plantation softwood can be burnt in open fires, stoves, fireplaces and residential boilers.
Fire/explosion hazard:	Sawdust will help sustain a fire and the dust may form an explosive mixture with air. Avoid sparks, the build up of static electricity and sources of ignition in all electrical equipment and dust extraction equipment.
Fire Fighting:	In a fire, use water jets to extinguish flames.
Suitable extinguishing media:	If material is involved in a fire use water, fog (or if unavailable fine water spray), foam, dry agent (carbon dioxide, dry chemical powder).

OTHER INFORMATION

Smoking:	Hyne Timber recommends that all storage and work areas should be smoking-free areas.
Toxicology:	None allocated.
Risk Statement:	None allocated.
Pkg. & Labelling:	No product labelling available for this product.

References:

- Hazardous Substances Information System (HSIS) Internet resource – <http://hsis.ascc@gov.au>
- Exposure Standards for Atmospheric Contaminants in the Occupational Environment, Worksafe Australia, May 1995
- Environmental Health Criteria No. 94; International Program on Chemical Safety; World Health Organization, Geneva; 1990
- ADI List, Commonwealth Department of Health and Family Services. 05/98



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