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**Issue: A**  
**Revision: 2**  
**September 2009**

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# MATERIAL SAFETY DATA SHEET

## UNTREATED PINUS RADIATA ASH

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IMPORTANT NOTICE: This material Safety Data Sheet (MSDS) is issued by Hyne Timber, in accordance with Workplace Safety 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 Workplace Safety 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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*'Non hazardous according to criteria of NOHSC Australia'*

### IDENTIFICATION

<b>Product name:</b>	Untreated Pinus Radiata Ash
<b>Other Names:</b>	Heat Plant Ash
<b>UN number:</b>	None allocated
<b>Trade name:</b>	Nil
<b>Dangerous goods class:</b>	None allocated
<b>Subsidiary risk:</b>	None allocated
<b>Hazchem code:</b>	None allocated
<b>Poisons schedule number:</b>	None allocated
<b>Use:</b>	Waste from combustion of untreated wood fibre residues.



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## Physical Description / Properties:

Appearance:	Course particulate with a black colouration
Odour:	Smoky burnt odour
Boiling Point/Range:	None allocated
Vapour Pressure (20°C):	None allocated
Specific gravity (20°C): [water = 1]	None allocated
Flash Point:	None allocated
Auto ignition point:	None allocated
Solubility in water:	Soluble in water

## Other Properties

Corrosiveness:	None allocated
Specific Properties:	None allocated
Vapour Density (air = 1):	None allocated
Materials to Avoid:	None allocated
Formula:	None allocated
Molecular weight:	None allocated
pH:	None allocated
Stability:	Stable

## Ingredients:

Name	CAS No.	Proportion by Weight
Carbon / softwood sawdust	None	100%

Note: The NSW "Protection of the Environment Operations (Waste) Regulation 2005 – General Exemption Under Part 6, The ash from burning uncontaminated wood, timber, forestry residues or paper exemption 2006" requires monitoring of six in-ash contaminants. Laboratory analysis of ash samples from the site stockpile has shown that these contaminants do not exceed the stated maximum concentrations. This compliance with the General Exemption makes the ash suitable for application to land for the purposes of growing vegetation. Test results are available upon written application.



HEALTH HAZARD INFORMATION

**Health Effects:** No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

**Acute Health Effects:**

**Swallowed:** Unlikely to be a significant route of exposure. Swallowing ash may result in nausea, vomiting, diarrhoea, abdominal pain and irritation of the gastrointestinal tract

**Eye:** Exposure to the dust may cause discomfort due to particulate nature. May cause physical irritation to the eyes

**Skin:** Contact with skin may result in irritation – ash

**Inhaled:** Ash may cause breathing difficulties. May irritate the mucous membranes of the upper respiratory tract. Some ashes are respiratory sensitisers that can cause possible allergic reactions

**Chronic Health Effects:**

**Chronic** Ash may cause skin irritation and breathing difficulties. May aggravate asthma, eye infections or affect wearing of contact lenses

**First Aid:** If poisoning occurs, contact a doctor or Poisons Information Centre

**Swallowed** Rinse mouth with water. Give plenty of water to drink. If vomiting occurs give further water. Seek medical advice

**Eye** If in eyes wash out immediately with water. In all cases of eye contamination it is a sensible precaution to seek medical advice

**Skin** If skin contact occurs, wash skin

**Inhaled** Remove victim from exposure - avoid becoming a casualty. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. Seek medical advice if effects persist

**Advice to Doctor**

**Advice to Doctor:** Treat symptomatically

PRECAUTIONS FOR USE

**Exposure standards:** No value assigned for this specific material by the National Occupational Health and Safety Commission (NOHSC Australia)

Name	TWA		STEL	
	mg/m3	ppm	mg/m3	ppm
Carbon / softwood sawdust	-	-	-	-

**Engineering controls:** Ensure ventilation is adequate and that air concentrations of components are controlled below quoted Exposure Standards. In working environments, avoid generating and inhaling dusts

**Personal Protection:** GLOVES, EYE PROTECTION



Always wash hands before smoking, eating, drinking or using the toilet.

**Flammability:** None allocated

### SAFE HANDLING INFORMATION

**Storage:** Store away from foodstuffs. Store away from incompatible materials

**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:** Large Spills: Wear protective equipment to prevent skin and eye contamination and the inhalation of dust. Work up wind or increase ventilation. Sweep or vacuum up, but avoid generating dust

Small Spills: Wear protective equipment to prevent skin and eye contamination. Avoid inhalation of dust

**Disposal:** Dispose of ash in a normal landfill in accordance with Local and State regulations

**Fire/explosion hazard:** None allocated

**Fire Fighting:** **Specific hazards:** Nil

### OTHER INFORMATION

**Toxicology:** None allocated

**Risk Statement:** None allocated

**Environmental Protection:** The ash is not considered a hazard. However ash should not be used in situations where leaching is enhanced

#### References:

- List of Designated Hazardous Substances, NOHSC Australia, April 1999
- 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
- In 'The Pesticide Manual 10<sup>th</sup> Edition' (Ed. Tomlin, Clive), p783-5 (Crop Protection Publications, U.K. 1994)



## CONTACT POINT

**Further information may be obtained from:**

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END OF MSDS.