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Revision: 1
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MATERIAL SAFETY DATA SHEET

UNTREATED MELAWONDI MILL ASH

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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'Non hazardous according to criteria of NOHSC Australia'

IDENTIFICATION

Product name:	Untreated Melawondi Mill Ash
Other Names:	Heat Plant Ash
UN number:	None allocated
Trade name:	Nil
Dangerous goods class:	None allocated
Subsidiary risk:	None allocated
Hazchem code:	None allocated
Poisons schedule number:	None allocated
Use:	Waste from combustion of wood fibre residues.



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Physical Description / Properties:

Appearance:	Fine powder with a tan 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
Arsenic	7440-38-2	0.001%
Boron	7440-42-8	0.03%
Chromium	7440-47-3	0.03%
Copper	7440-50-8	0.02%



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 sensitizers 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/m ³	ppm	mg/m ³	ppm
Arsenic	0.01	-	-	-
Boron	-	-	-	-
Chromium	0.5	-	-	-
Copper	1	-	-	-



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 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:	<u>Large Spills:</u> 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 <u>Small Spills:</u> 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 10th Edition' (Ed. Tomlin, Clive), p783-5 (Crop Protection Publications, U.K. 1994)



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END OF MSDS.