

BALSA WOOD AND ASSOCIATED SAWDUST

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name	Balsa Wood and Associated Sawdust (<i>Ochroma lagopus a n d Ochroma pyramidale</i>)
Article Number	NA
Other Names	NA
Product Use	Structural core material, model making, surfboards.
Company Name	Auszac PtyLtd
Address	11 Emanuel Crt. Melrose Park South Australia 5039 Australia
Telephone Number	+61 8 8276 4122
Emergency Telephone	+61 8 8276 4122

2. HAZARDS IDENTIFICATION

HAZARDOUS SUBSTANCE. NOT DANGEROUS GOODS.

Wood dust is classified as hazardous according to the criteria of NOHSC.
Not dangerous Goods according to the Australian Dangerous Goods Code.

Risk Phrases	For wooddust: R2 Risk of explosion by fire or other source of ignition. R36 Irritating to eyes. R37 Irritating to respiratory system. R42 May cause sensitization by inhalation. R43 May cause sensitization by skin contact. R49 May cause cancer by inhalation.
Safety Phrases	S16 Keep away from sources of ignition. S22 Do not breathe dust. S25 Avoid contact with eyes S39 Wear eye / face protection. S51 Use only in well ventilated areas.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient (common name)	CAS Number	Proportion of Ingredients
Balsa wood	NA	100%

4. FIRST AID MEASURES

Inhalation	In mild cases of balsa dust inhalation, remove affected person from the area and into fresh air. In extreme cases, when breathing is hindered or stopped, immediately call emergency medical services. If breathing is hindered, give oxygen. If breathing is stopped administer CPR.
Ingestion	If large quantities have been ingested, seek prompt medical attention.

Skin Wash dust off of skin with soap and water.
Eyes Irrigate eyes with water, lifting lower and upper eyelids. If irritation persists, seek medical attention.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media For major fires call the Fire Brigade. Ensure that an escape path is available from any fire. Smother flames with water, dry chemical CO₂. Wood will smolder unless fully extinguished. Wet wood dust with water to prevent dispersion into the air.

Precautions for Fire Fighters Wood dust is a strong to severe explosion hazard if a dust "cloud" contacts an ignition source. Wear protective clothing and self contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Methods for Containment and Cleanup Pick up wood mechanically. Sweep up or vacuum any dust, taking care not to inhale the dust.

7. HANDLING AND STORAGE

Storage Store in a dry place.
Handling Do not breathe in any wood dust and avoid eye contact with wood dust..

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Standard (NOHSC) Wood dust (soft wood):
 ES-TWA: - ppm / 5 mg/m³
 ES-STEL: - ppm / 10 mg/m³

Engineering Controls Ensure adequate ventilation when working with balsa wood and dust is created. Work areas should be cleaned daily and dust should be removed by vacuum cleaning or the wet sweeping method. Under factory conditions, sawing, drilling and sanding should be done with equipment fitted with local exhaust devices capable of removing wood dust, at the source. Hand power tools should be fitted with dust bags and used in well ventilated areas.

Personal Protection
Respiratory Protection Wear a breathing filter mask when working with balsa wood and dust is created.
Body Protection Wear overalls when working with balsa wood and dust is created.
Eye protection Clean skin thoroughly after work.
 Wear safety glasses when working with balsa wood.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	White to light brown coloured wood. The grain of the wood is soft to the touch. Balsa wood dust is white to light brown coloured fibrous dust.
Odour	None
Vapour Pressure	Not applicable
Density at 20°C	60 -250kg/m ³
Freezing / Melting point	Not applicable
pH	No information available
Solubility	Insoluble
Specific Gravity	No information available
Flash Point	No Information available
Flammable Limits LEL	No information available
Flammable Limits UEL	No information available
Ignition Temperature	> 200°C

10. STABILITY AND REACTIVITY

Chemical Stability	Stable
Hazardous Decomposition Products	Carbon monoxide, carbon dioxide, organic acids, traces of hydrocarbons.
Hazardous Reactions	Wood dust may pose a strong to severe explosion hazard if cloud of wood dust comes into contact with an ignition source.
Incompatible Materials	Strong oxidizers may cause wood to ignite.
Conditions to Avoid	Keep away from sources of ignition.

11. TOXICOLOGICAL INFORMATION

Toxicity Studies	No information available
Routes of Exposure	Inhalation, Ingestion, Eye, Skin
Health Effects from Likely Routes of Exposure	<p>Inhalation: Breathing in or inhaling wood dust can cause mild dryness and obstruction of the nasal passages. Excessive inhalation of wood dust can cause coating of the lungs, resulting in asphyxiation. Coughing, wheezing and sneezing, sinusitis and colds may also result from inhalation.</p> <p>Ingestion: No information available. Unlikely to occur.</p> <p>Eye: Dust contact with eyes may cause dryness, irritation, redness and tearing.</p> <p>Skin: May cause itching and dermatitis.</p>
Medical Conditions Generally Aggravated by Exposure	Sensitiser notice: Wood dust is a sensitizer and may cause a specific immune response in some people, known as. Exposure to a sensitiser, once sensitisation has occurred, may manifest itself as a skin rash or inflammation or as an asthmatic condition, and in some individuals this reaction can be extremely severe. For more information refer to Chapter 12 of the Guidance Note on the Interpretation of Exposure Standards for Atmospheric Contaminants in the Occupational Environment, published by NOHSC.

Effects of Overexposure	Inhaling excessive amounts of wood dust can result in asphyxiation.
Carcinogenicity	Wood dust is carcinogenic to humans. Wood dust is classified as a group 1 carcinogen by the IARC based on based on examination of the nasal cavities and paranasal sinuses associated with exposure to wood dust.
Birth Defect Information	No information available.
Reproduction information	No information available.

12. ECOLOGICAL INFORMATION

Ecotoxicity	Not toxic to the environment.
Persistence / Degradability	Natural material, biodegradable.
Mobility	No information available

13. DISPOSAL CONSIDERATIONS

Disposal methods and containers	Dispose of at designated landfill or incinerate. Place wood dust in an appropriate container and dispose of at designated landfill. Do not allow wood dust to enter waterways or sewers.
Special precautions for landfill or incineration	Dispose or incinerate in accordance with local, state and Commonwealth regulations.

14. TRANSPORT INFORMATION

	Not classified as dangerous by the Australian Dangerous Goods Code. Unless required by other regulations, there are no special transport requirements.
UN Number	Not Applicable
Proper Shipping Name	Not Applicable
Dangerous Goods Class	Not Applicable
Hazchem Code	Not Applicable
Packing Group	Not Applicable
Special Precautions	None

15. REGULATORY INFORMATION

Wood dust is listed in the Exposure Standards for Atmospheric Contaminants in the Occupational Environment.

16. OTHER INFORMATION

Last Revision of MSDS	Rev 1.0 (13/08/2004)	
Prepared by	MSDS.COM.AU Pty Ltd	www.msds.com.au



MATERIAL SAFETY DATA SHEET

Abbreviations Used

ADG Code	Australian Dangerous Goods Code
CAS Number	Chemical Abstracts Service Registry Number
ES-STEL	Exposure standard – short term exposure limit
ES-TWA	Exposure standard – time weighted average
IARC	International Agency for Research on Cancer
NOHSC	National Occupational Health and Safety Commission
UN Number	United Nations Number

Emergency Contacts

Auszac Pty Ltd	+61 8 8276 4122
Police and Fire Brigade	000
Poisons Information Centre	131126

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Please read instructions / label before using product.