

MATERIAL SAFETY DATA SHEET

Section 1 – Product Identification

Product Name **Extruded Wood Plastic Composite Profiles**
Manufacturer's Name Advanced Plastic Recycling
 9/500 Churchill Rd
 KILBURN South Australia 5084 Australia
 Phone 61 8 8359 4999
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Section 2 – Hazardous Ingredients

Cas #	Component
9004-34-6	Wood Flour (Cellulose)
9002-88-4	High Density Polyethylene
N/A	Minors (Manufacturing Aids)

Section 3 – Physical and Chemical Properties

Appearance	Solid profiles, various colours	Vapour Pressure	N/A
Boiling Point	N/A	Vapour Density	N/A
Melting Point	160C	Density	1045Kg/M ³
Freezing Point	N/A	% volatile by Volume	N/A
Odour	Little or no odour	Solubility (H ₂ O)	0%
Evaporation Point	N/A	Reactivity(H ₂ O)	0%

Section 4 – Fire and Explosion Hazard Data

Flash Point	Method	Upper/Lower Flammability Limit	Auto ignition Temperature	Rate of Burn	Classification
Not determined	Not Applicable	Not determined	Not determined	Not determined	Combustible

Section 5 – Reactivity Data

Unstable conditions to avoid	
Stability	Stable
Incompatibility (materials to avoid)	Strong alkaline solutions
Hazardous Decomposition By Products	C, CO, CO ₂ ,
May Occur conditions to avoid	

Section 6 – Health Hazards and First Aid

	Signs and Symptoms of Acute Overexposure	First Aid Measure
Eyes	Direct contact with eyes may cause irritation. Symptoms can include irritation, redness, scratching of the cornea and tearing.	Immediately flush with water for 15 minutes. Seek medical attention if symptoms persist.
Skin	Skin exposure may cause irritation. Rubbing may increase irritation. Some wood species and their dust contain natural toxins which can have adverse effects on humans.	If skin irritation occurs flush immediately with soap and water. If irritation persists seek medical attention.
Ingestion	Ingestion of wood dusts is unlikely. No effects of ingestion have been identified. If ingestion does occur, slight gastro intestinal irritation may result. Certain wood species and their dust contain natural toxins which can have adverse effects on humans	If the material is ingested, get medical attention or advice. Call the: Poisons Information Centre Australia 131 126 New Zealand 0800 764 766
Inhalation	Wood dust is irritating to the nose, throat and lungs. Symptoms may include nasal dryness, deposits or obstructions in the nasal passages, coughing, sneezing, dryness and soreness of the throat and sinuses, hoarseness and wheezing. Some species of wood may cause allergic respiratory reactions with asthma like symptoms in sensitised individuals.	If dusts are inhaled, remove person to fresh air. If not breathing, give artificial respiration. If symptoms persist seek medical advice.

Note to Physician: Respiratory ailments and pre-existing skin conditions may be aggravated by exposure to dust from machining this product.

Medical Conditions Generally Aggravated by Exposure to Wood Dust: Pre-existing eye, respiratory system and skin conditions.

Chronic Overexposure: Wood dusts may be irritating to the eyes, skin and respiratory track. Prolonged or repeated inhalation of wood dust may cause respiratory irritation, recurrent bronchitis and prolonged colds. Depending on the species of wood, recurrent exposure may cause allergic skin and respiratory reactions in some individuals. No LD50 data available for the product.

Carcinogenic: Workers in timber industries with a history of exposure to wood dusts have shown increased occurrence of lung, liver, nasal and vocal cavity cancer.

Section 7 – Exposure Control / Personal Protection

Personal Protective Equipment

- **Eyes/Face:** Wear safety glasses with side shields when handling, cutting, sanding, drilling or machining the product. Use a face shield for processes that may generate excessive dust and swarf.
- **Skin:** Wear puncture resistant work gloves, such as leather when handling the product.
- **Respiratory:** Avoid inhalation. Dust mask may be worn to avoid inhalation of nuisance dust.
- **Ventilation:** Machining and cutting processes should be done in a well ventilated area or using dust extraction.
- **National occupational exposure limits:** No value assigned to this material by the National Occupational Health and Safety Commission.
- **Biological Limit Values:** The ingredients in the product do not have a biological limit attached.

Section 8 – Safe Handling, Storage and Disposal

Handling Procedures

- Wood Plastic Composite is heavier than normal wood, use safe lifting procedures.
- Avoid contact with strong alkaline agents
- Do not smoke, drink or eat while handling the product or in areas where dust is present, practise good personal hygiene procedures.
- Do not generate airborne dusts in the presence of an ignition source.
- Avoid breathing the dust
- Wear safety glasses/mask, gloves and safety boots.

Storage Procedures

- Store in a cool flat dry place that is out of direct sunlight and away from ignition sources.

Disposal Procedures

- All swarf and waste should be swept up and disposed of with municipal waste.

Section 9 – Fire Fighting Measures

Specific Hazards

- Combustible solid

Hazchem code:

- Not applicable

Suitable Extinguishing media

- Water fog, foam, CO₂, Dry chemical powder.

Recommendations

- Upon combustion product may emit toxic fumes including carbon dioxide and carbon monoxide. Fire fighters to wear suitable breathing apparatus and protective clothing.

Section 10 – Transport Information

Air Transport

- Not classified as dangerous goods by the International Air Transport Association (IATA)

Road and Rail Transport

- Not classified as dangerous goods by the Australian Dangerous Goods Code (ADG)

Marine Transport

- Not classified as dangerous goods by the International Maritime Dangerous Goods Code (IMDG)

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