

# MATERIAL SAFETY DATA SHEET (MSDS)

## WOOD PLASTIC COMPOSITE (WPC)

MSDS DATE: 26/6/17

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### SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

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**PRODUCT NAME:**

Extruded Wood Polymer Composite Profiles

**SYNONYMS:**

WPC, Plastic Wood.

**MANUFACTURER:**

Advanced Plastic Recycling

**ABN:**

75 858 453 725

**ADDRESS:**

Lot 9 / 500 Churchill Road  
Kilburn Sth Aust. 5084 Australia.

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**PRODUCT USE:**

Used as a timber substitute

**DISCLAIMER:**

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### SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

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#### INGREDIENT:

Non Hazardous Ingredients 100%

| <u>CAS NO.</u>     | <u>% WT</u> | <u>% VOL</u> | <u>SARA 313 REPORTABLE</u> |
|--------------------|-------------|--------------|----------------------------|
| OSHA PEL-TWA:      | N/A         |              |                            |
| OSHA PEL STEL :    | N/A         |              |                            |
| OSHA PEL CEILING:  | N/A         |              |                            |
| ACGIH TLV-TWA:     | N/A         |              |                            |
| ACGIH TLV STEL:    | N/A         |              |                            |
| ACGIH TLV CEILING: | N/A         |              |                            |

#### SECTION 2 NOTES:

WPC is made from wood flour and polyethylene at approximately 50:50 proportions, neither of which is hazardous.

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### SECTION 3: HAZARDS IDENTIFICATION

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Not classified as Dangerous Goods by the criteria of the Australian Dangerous Goods (ADG code) for transport by Road and Rail.

#### CHRONIC HEALTH HAZARDS:

None reported

#### MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:

None reported

#### SECTION 3 NOTES:

N/A

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### SECTION 4: FIRST AID MEASURES

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|                   | Signs and Symptoms of Acute Overexposure   | First aid Measure  |
|-------------------|--|--|
| <b>Eyes</b>       | 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.   |
| <b>Skin</b>       | 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.                          |
| <b>Ingestion</b>  | 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 Aust 131 126<br><br>NZ 0800 764 766    |
| <b>Inhalation</b> | 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.

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### 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.

### CARCINOGENETIC:

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 4 NOTES:

The material under normal circumstances is a solid and therefore does not provide for routes of entry. It can be cut however whereby a dust can be created. These first aid measures are relevant to the dust.

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## SECTION 5: FIRE-FIGHTING MEASURES

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### SPECIAL HAZARDS:

Combustible Solid

### EXTINGUISHING MEDIA:

To extinguish use Water fog, Foam, CO2, Dry Chemical Powder.

### SPECIAL FIRE FIGHTING PROCEDURES:

On burning it may emit toxic fumes, including those of oxides of carbon. Fire fighters to wear self contained breathing apparatus and suitable protective clothing.

### UNUSUAL FIRE AND EXPLOSION HAZARDS:

None

### HAZCHEM CODE:

Not Applicable

### SECTION 5 NOTES:

N/A

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### SECTION 6: ACCIDENTAL RELEASE MEASURES

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#### ACCIDENTAL RELEASE MEASURES:

Only relevant to volumes of dust. Wear PPE to protect against eye, skin and inhalation of dust. Collect and seal in properly labeled containers or drums for disposal.

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### SECTION 7: HANDLING AND STORAGE

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#### 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 off-cuts can be returned to APR for recycling.
- All swarf and waste should be swept up and disposed of with municipal waste.

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### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

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#### 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 NOTES:

N/A

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### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

|                   |                                 |                      |           |
|-------------------|---------------------------------|----------------------|-----------|
| Appearance        | Solid profiles, various colours | Vapour Pressure      | N/A       |
| Boiling Point     | N/A                             | Vapour Density       | N/A       |
| Melting Point     | 140C                            | Density              | 1045Kg/M3 |
| Freezing Point    | N/A                             | % volatile by Volume | N/A       |
| Odour             | Little or no odour              | Solubility (H2O)     | 0%        |
| Evaporation Point | N/A                             | Reactivity(H2O)      | 0%        |

### SECTION 10: STABILITY AND REACTIVITY

#### CHEMICAL STABILITY:

The product is stable under ambient temperatures and atmospheric pressure.

#### CONDITIONS TO AVOID:

Extreme heat.

#### INCOMPATIBLE MATERIALS:

Strong alkaline solutions.

#### HAZARDOUS DECOMPOSITION PRODUCTS:

Carbon monoxide and carbon dioxide.

#### HAZARDOUS REACTIONS:

No Information Available

#### SECTION 10 NOTES:

N/A

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### SECTION 11: TOXICOLOGICAL INFORMATION

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No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet. Symptoms or effects that may arise if the product is mishandled are:

#### ACUTE EFFECTS

##### INHALATION:

Inhalation of dust generated when machining may be an irritant to mucous membranes and respiratory tract.

##### SKIN CONTACT:

Dust generated when machining may result in irritation.

##### EYE CONTACT:

May be an eye irritant.

##### INJECTION :

No adverse effects expected however large amounts may cause nausea and vomiting.

##### LONG TERM EFFECTS:

No Information Available.

##### ACUTE TOXICITY / CHRONIC TOXICITY:

No LD50 data available.

##### SECTION 11 NOTES:

N/A

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### SECTION 12: ECOLOGICAL INFORMATION

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**ECOTOXICITY:**

No Information Available

**PERSISTENCE AND DEGRADABILITY:**

No Information Available

**MOBILITY:**

No Information Available

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### SECTION 13: DISPOSAL CONSIDERATIONS

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Refer to State / Territory Land Waste Management Authority

Waste Disposal: Dispose of waste as normal refuse/ RCRA Information: The unused product (scrap) is not listed by the EPA as a hazardous waste (40CFR Part 261ZD). It does not exhibit the hazardous characteristics of ignitability, corrosivity or reactivity and is not formulated with contaminants as determined by the Toxicity Characteristic Leaching Procedure (TCLP).

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### SECTION 14: TRANSPORT INFORMATION

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Not regulated under any codes.

Not classified as Dangerous Goods by Australian Dangerous Goods code (ADG) nor the International Maritime Dangerous Goods code (IMDG) and neither by the International Air Transport Association (IATA).

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### SECTION 15: REGULATORY INFORMATION

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Non Hazardous according to the criteria of NOHSC (Work safe) Australia.

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### SECTION 16: OTHER INFORMATION

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**OTHER INFORMATION:**

N/A

**PREPARATION INFORMATION:**

N/A

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