

# R-flor Radiant Barrier Particleboard Flooring

## 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Supplier Name:	Australian Panel Products
Address:	2 Wella Way, Somersby, NSW, Australia, 2250
Telephone:	1 300 300 547 / 02 4340 9800
Facsimile:	1 300 320 547 / 02 4340 5841
Emergency:	1 300 300 547
Synonyms:	R-flor   R-flor YELLOWtongue   R-flor REDtongue   R-flor BLUEtongue   R-flor Radiant Barrier Flooring
Use:	Flooring

## 2. HAZARD IDENTIFICATION

Not classified as hazardous according to Safe Work Australia Criteria.

UN Number:	None Allocated
Hazchem Code:	None Allocated
Packing Group:	None Allocated
DG Class:	None Allocated
Subsidiary Risk(s):	None Allocated

## 3. COMPOSITION/INFORMATION OF INGREDIENTS

Ingredient	EC	CAS No.	Content
Permethrin	C21-H20-Cl2-O3	52645-53-1	<0.1%
Softwood(s)	Not Available	Not Available	>60%
Melamine/Urea/Formaldehyde Resin	Not Available	Not Available	10 - 30%
Non Hazardous Ingredients	Not Available	Not Available	Remainder

## 4. FIRST AID MEASURES

Ingestion	For advice, contact a Poison Information Centre on 13 11 26 (Australia Wide) or a doctor (at once). Due to product form and application, ingestion is considered unlikely.
Eye	If in eyes, hold eyelids apart and flush continuously with running water. Continue flushing until advised to stop by a Poisons Information Centre, a doctor, or for at least 15 minutes.
Skin	If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. Continue flushing with water until advised to stop by a Poisons Information Centre or a doctor.
Inhalation	If inhaled, remove from contaminated area. Apply artificial respiration if not breathing.
Advice to Doctor	Treat symptomatically

## 5. FIRE FIGHTING MEASURES

Flammability	Combustible. May evolve toxic gases (carbon/nitrogen oxides, ammonia, formaldehyde, hydrocarbons) when heated to decomposition. May evolve hydrogen cyanide gas when heated to decomposition.
Fire and explosion	Dry wood dust in high concentrations-in-air and at the temperatures > 204 °C (>40g of dust per m3 of air) may spontaneously explode. Evacuate area and contact emergency services. Toxic gases may be evolved in a fire situation. Remain upwind and notify those downwind of hazard. Wear full protective equipment including Self Contained Breathing Apparatus (SCBA) when combating fire. Use waterfod to cool intact containers and nearby storage areas.
Extinguishing	Dry agent, carbon dioxide, foam or water fog. Prevent contamination of drains or waterways.

## 6. ACCIDENTAL RELEASE MEASURES

Spillage	If spilt, collect and reuse where possible.
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## 7. STORAGE AND HANDLING

Storage	Store in a cool,dry area.
Handling	Before use carefully read the product label. Use of safe work practices are recommended to avoid eye or skin contact and inhalation. Observe good personal hygiene, including washing hands before eating. Prohibit eating, drinking and smoking in contaminated area.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Exposure Standards:

		TWA		STEL		NOTICES
	ppm	mg/m3	ppm	mg/m3		
Diacetone alcohol 123-42-2	50	238	-	-	-	
Ethyl acetate 141-78-6	200	720	400	1440	-	
n-Butyl alcohol 71-36-3	50 peak limitation	152	-	-	Sk	
		Peak limitation				
Toluene 108-88-3	50	191	150	574	Sk	

As published by Safe Work Australia

TWA	The time-weighted average airborne concentration over an eight-hour working day, for a five-day working week over an entire working life.
STEL (Short Term Exposure Limit)	The average airborne concentration over a 15 minute period which should not be exceeded at any time during a normal eight-hour workday.
'Sk' Notice	Absorption through the skin may be a significant source of exposure. The exposure standard is invalidated if such contact should occur.  These Exposure Standards are guides to be used in the control of occupational health hazards. All atmospheric contamination should be kept too as low a level as is workable. These exposure standards should not be used as a fine dividing lines between safe and dangerous concentrations of chemicals. They are not a measure of relative toxicity.  If the directions for use on the product label are followed, exposure of individuals using the product should not exceed the above standards. The standard was created for workers who are routinely, potentially exposed during product manufacture.

<b>Biological Limit Values</b>	As per the "National Model Regulations for the Control of Workplace Hazardous Substances (Safe Work Australia)" the ingredients in this material do not have a Biological Limit Allocated.
<b>Engineering Measures</b>	Ensure ventilation is adequate to maintain air concentrations below Exposure Standards. Use only in well ventilated areas. Use with local exhaust ventilation or while wearing appropriate respirator.
<b>Personal Protection Equipment</b>	Wear safety shoes, overalls, gloves, chemical goggles, respirator. Use with adequate ventilation. If inhalation risk exists wear organic vapour/particulate respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716. Available information suggests that gloves made from nitrile rubber should be suitable for intermittent contact. However, due to variations in glove construction and local conditions, the user should make a final assessment. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.
<b>Hygiene Measures</b>	Keep away from food, drink and animal feeding stuffs. When using do not eat, drink, or smoke. Wash hands prior to eating, drinking, or smoking. Avoid contact with clothing. Avoid eye contact and skin contact. Avoid inhalation of vapour, mist or aerosols. Ensure that eyewash stations and safety showers are close to thre workstation location.
<b>Respiratory Protection</b>	A class P1 or P2 replaceable filter or disposable half face-piece particulates respirator should be worn when machining. Respirators should comply with AS/NZS 1716 and be selected, used and maintained in accordance with AS/NZS 1715.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Form	Liquid
Colour	Various
Odour	Characteristic paint thinners
Solubility	Not Available
Specific Gravity (20°C)	0.85-0.97
Relative Vapour Density (air=1)	>1
Vapour Pressure (20°C)	Not Available
Flash Point (°C)	Approx. 40
Flammability Limits (%)	Not Available
Autoignition Temperature (°C)	Not Available
Melting Point/Range (°C)	Not Available
Boiling Point/Range (°C)	Not Available
pH	Not Applicable
Viscosity	Not Available
Total VOC (g/Litre)	Not Available

## 10. STABILITY AND REACTIVITY

Chemical Stability	This material is thermally stable when stored and used as directed.
Conditions to Avoid	Elevated temperatures and sources of ignition.
Incompatible Materials	Oxidising agents and acids.
Hazardous Decomposition Products	Oxides of carbon and nitrogen, smoke and other toxic fumes.
Hazardous Reactions	No known hazardous reactions.

## 11. TOXICOLOGICAL INFORMATION

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:

<b>Acute Effects</b>	
Inhalation	Material is an irritant to mucous membranes and respiratory tract. Inhalation of vapour can result in headaches, dizziness and possible nausea. Inhalation of high concentrations can produce central nervous system depression, which can lead to loss of co-ordination, impaired judgement and if exposure is prolonged, unconsciousness.
Skin Contact	Contact with skin may result in irritation.
Ingestion	Swallowing can result in nausea, vomiting and irritation of the gastrointestinal tract. May cause lung damage if swallowed. Small amounts of liquid aspirated into the respiratory system during ingestion or vomiting may cause bronchopneumonia or pulmonary oedema.
Eye Contact	An eye irritant.
<b>Acute Toxicity</b>	
Inhalation	This material has been classified as non-hazardous. Acute toxicity estimate (based on ingredients): >20mg/L
Skin Contact	This material has been classified as non-hazardous. Acute toxicity estimate (based on ingredients): >2000mg/Kg
Ingestion	This material has been classified as non-hazardous. Acute toxicity estimate (based on ingredients): >2000mg/Kg
Corrosion/Irritancy	Eye: this material has been classified as a Category 2A Hazard (reversible effects to eyes). Skin: this material has been classified as not corrosive or irritating to the skin.
Sensitisation	Inhalation: this material has been classified as not a respiratory sensitiser. Skin: this material has been classified as not a skin sensitiser.
Aspiration Hazard	This material has been classified as Aspiration Hazard - Category 1
Specific target organ toxicity (single exposure)	This material has been classified as a Category 3 Hazard. Exposure via inhalation may result in respiratory irritation. This material has been classified as a Category 3 Hazard. Exposure via inhalation may result in depression of the central nervous system.
<b>Chronic Toxicity</b>	
Mutagenicity	This material has been classified as non-hazardous.
Carcinogenicity	This material has been classified as non-hazardous.
Reproductive toxicity (including via lactation)	This material has been classified as a Category 1B Hazard.
Specific target organ toxicity (repeat exposure)	This material has been classified as a Category 2 Hazard.

## 12. ECOLOGICAL INFORMATION

Avoid contaminating waterways.

**Acute aquatic hazard** This material has been classified as non-hazardous. Acute toxicity estimate (based on ingredients): >100mg/L

**Long-term aquatic hazard** This material has been classified as non-hazardous. Non-rapidly or rapidly degradable substance for which there are adequate chronic toxicity data available. OR in the absence of chronic toxicity data, acute toxicity estimate (based on ingredients): >100mg/L, where the substance is not rapidly degradable and/or BCF <500 and/or log Kow<4

**Ecotoxicity** No information available.

**Persistence and degradability** No information available.

**Bioaccumulative potential** No information available.

**Mobility** No information available.

### 13. DISPOSAL CONSIDERATIONS

Persons conducting disposal, recycling or reclamation activities should ensure that appropriate personal protection equipment is used, see "Section 8. Exposure Controls and Personal Protection" of this SDS.

If possible material and its container should be recycled. If material or container cannot be recycled, dispose in accordance with local, regional, national and international Regulations.

### 14. TRANSPORT INFORMATION

#### ROAD AND RAIL TRANSPORT

Classified as Dangerous Goods by the criteria of the "Australian Code for the Transport of Dangerous Goods by Road and Rail" and the New Zealand NZS5433: Transport of Dangerous Goods on Land.

**Segregation Dangerous Goods:** Not to be loaded with explosives (Class 1), flammable gases (Class 2.1), if both are in bulk, toxic gases (Class 2.3), spontaneously combustible substances (Class 4.2), oxidising agents (Class 5.1), organic peroxides (Class 5.2), toxic substances (Class 6.1), infectious substances (Class 6.2) or radioactive substances (Class 7). Exemptions may apply.

**Marine Transport:** Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

**Air Transport:** Classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

### 15. REGULATORY INFORMATION

HSNO Group Standard	Surface Coatings and Colourants (Flammable) Group Standard 2006: HSR002662
This material is not subject to the following international agreements	Montreal Protocol (Ozone depleting substances) The Stockholm Convention (Persistent Organic Pollutants) The Rotterdam Convention (Prior Informed Consent) International Convention for the Prevention of Pollution from Ships (MARPOL)
This material is subject to the following international agreements	Basel Convention (Hazardous Waste) - Wastes from production, formulation and use of inks, dyes, pigments, paints, lacquers, varnish
This material/ constituent(s) is covered by the following requirements	All the constituents of this material are listed on the Australian Inventory of Chemical Substances (AICS)

## CONTACT

For further information on this product, contact:  
Borg Manufacturing (ABN 31 003 246 357), 2 Wella Way Somersby NSW 2250 Australia  
Telephone: 1300 300 547 Fax: 1300 320 547

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