material safety data sheet

Plywood

1. Identification of the material and supplier

Supplier	Austral Plywoods Pty Ltd
Address	1 Curzon Street, Tennyson, QLD, 4105, Australia
Telephone	+61 7 3426 8600
Fax	+61 7 3848 0646
Emergency	13 11 26
Email	info@australply.com.au
Website	http://www.australply.com.au/
Synonym(s)	"AUSTRAL" EXTERIOR PLYWOOD • "AUSTRAL" INTERIOR PLYWOOD • "AUSTRAL" MARINE PLYWOOD • "AUSTRAL" STRUCTURAL PLYWOOD
Use(s)	Building applications
SDS date	05 May 2014

2. HAZARDS IDENTIFICATION

NOT CLASSIFIED AS HAZARDOUS ACCORDING TO SAFE WORK AUSTRALIA CRITERIA

Risk Phrases	None allocated
Safety Phrases	None allocated

NOT CLASSIFIED AS A DANGEROUS GOOD BY THE CRITERIA OF THE ADG CODE

UN Number	None Allocated
Transport Hazard Class	None Allocated
Packing Group	None Allocated
Hazchem Code	None Allocated

3. COMPOSITION/ INFORMATION ON INGREDIENTS

WOOD

Identification	Not Available
Classification	Not Available
Content	>92%

MELAMINE/UREA/FORMALDEHYDE RESIN

Identification	CAS: 25036-13-9, EC: 607-497-9
Classification	Not Available
Content	<8%

PHENOL, POLYMER WITH FORMALDEHYDE, SODIUM SALT

Identification	AS: 40798-65-0
Classification	Not Available
Content	<8%

UREA-FORMALDEHYDE RESIN

Identification	CAS: 9011-05-6
Classification	Not Available
Content	<8%
Ingredient notes	The above ingredients are bonded together under heat and pressure. The process cures the resin. However, small amounts of formaldehyde may be released from the finished product. In newly manufactured plywood, which is the worst case scenario, formaldehyde emission has been measured in the range 0.03-0.05ppm using the large scale test chamber method.

4. FIRST AID MEASURES

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.
Inhalation	If inhaled, remove from contaminated area. Apply artificial respiration if not breathing.
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.
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.
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.
Fire and explosion	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 waterfog to cool intact containers and nearby storage areas.
Extinguishing	Dry agent, carbon dioxide, foam or water fog. Prevent contamination of drains or waterways.
Hazchem code	None allocated

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear Personal Protective Equipment (PPE) as detailed in Section 8 of this SDS.
Environmental precautions	Prevent product from entering drains and waterways.
Methods of cleaning up	If spilt, collect and reuse where possible.
References	See Sections 8 and 13 for exposure controls and disposal.

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 areas.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE STANDARDS

Ingredient	Formaldehyde
Reference	SWA (AUS)
TWA - ppm	1
TWA - mg/m³	1.2
STEL - ppm	2
STEL - mg/m³	2.5

Ingredient	Wood dust (certain hardwoods such as beech & oak)
Reference	SWA (AUS)
TWA - ppm	–
TWA - mg/m³	1
STEL - ppm	–
STEL - mg/m³	–

Ingredient	Wood dust (soft wood)
Reference	SWA (AUS)
TWA - ppm	–
TWA - mg/m³	5
STEL - ppm	–
STEL - mg/m³	10

Biological limits	No biological limit allocated
Engineering controls	Avoid inhalation. Use in well ventilated areas. Where an inhalation risk exists, mechanical extraction ventilation is recommended. Maintain dust levels below the recommended exposure standard.

Information sourced from Austral Ply. E&OE.

PPE	
Eye/Face	Not required under normal conditions of use.
Hands	Wear leather gloves.
Body	Not required under normal conditions of use.
Respiratory	Not required under normal conditions of use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Solid pressed boards
Odour	Odourless
Flammability	Combustible
Flash point	Not available
Boiling point	Not available
Melting point	Not available
Evaporation rate	Not available
pH	Not available
Vapour density	Not available
Specific gravity	0.50 to 1.00
Solubility (water)	Insoluble
Vapour pressure	Not available
Upper explosion limit	Not available
Lower explosion limit	Not available
Partition coefficient	Not available
Autoignition temperature	> 220°C
Decomposition temperature	Not available
Viscosity	Not available
Explosive properties	Not available
Oxidising properties	Not available
Odour threshold	Not available

10. STABILITY AND REACTIVITY

Chemical stability	Stable under recommended conditions of storage.
Conditions to avoid	Avoid heat, sparks, open flames and other ignition sources.
Material to avoid	Compatible with most commonly used materials.
Hazardous Decomposition Products	May evolve toxic gases (carbon/ nitrogen oxides, ammonia, formaldehyde, hydrocarbons) when heated to decomposition.
Hazardous Reactions	Polymerization is not expected to occur.

11. TOXICOLOGICAL INFORMATION

Health Hazard Summary	May be harmful. Use safe work practices to avoid eye or skin contact and inhalation. This product is bonded by formaldehyde resin and formaldehyde may be released during machining. Product may also release small quantities (<0.01%) of formaldehyde in gaseous form that may dissipate over time.
Eye	Due to product form and nature of use, the potential for exposure is reduced. Product may only present a hazard if dust is generated. Contact may result in mechanical irritation.
Inhalation	Exposure considered unlikely. An inhalation hazard is not anticipated unless cut, drilled or sanded with dust generation, which may result in irritation of the nose and throat. If heated, over exposure to fumes may result in irritation of the nose and throat, with nausea and headache. Formaldehyde is classified as a confirmed human carcinogen (IARC Group 1) and respiratory sensitiser. Inhalation of wood dust, both hardwood and softwood, may increase the risk of nasal and paranasal sinus cancers.
Skin	Low irritant. Prolonged or repeated exposure to dust may result in mild irritation. May cause sensitisation by skin contact.
Ingestion	Ingestion is considered unlikely due to product form.
Toxicity data	PHENOL, POLYMER WITH FORMALDEHYDE, SODIUM SALT (40798-65-0)
	LC50 (inhalation) 74 mg/m³ (mammal-phenol)
	LD50 (ingestion) 42 mg/kg-rat (Formaldehyde)
	LD50 (skin) 669 mg/kg - rat
	LDLo (ingestion) 10 mg/kg-infant (phenol)
	TCLo (inhalation) 14300 ppb/6H/2Y-I mse(FORM)
	TDLo (ingestion) 300mg/kg(6-15Dpreg-rat) (FORM)
	TDLo (skin) 4 g/kg/24W-mse (tumors-Phenol)
	PHENOL, POLYMER WITH FORMALDEHYDE, SODIUM SALT (40798-65-0)

12. ECOLOGICAL INFORMATION

Toxicity	No information provided.
Persistence and degradability	No information provided.
Bioaccumulative potential	No information provided.
Mobility in soil	No information provided.
Other adverse effects	No information provided.

13. DISPOSAL CONSIDERATIONS

Waste disposal	Reuse where possible. Off-cuts and general waste material should be placed in containers and disposed of at approved landfill sites, or burnt in an approved furnace or incinerator, in accordance with disposal authority guidelines. Wood dust should be cleaned up by vacuuming or wet sweeping.
Legislation	Dispose of in accordance with relevant local legislation.

14. TRANSPORT INFORMATION

NOT CLASSIFIED AS A DANGEROUS GOOD BY THE CRITERIA OF THE ADG CODE, IMDG OR IATA

UN NUMBER	
Land transport (ADG)	None allocated
Sea transport (IMDG / IMO)	None allocated
Air transport (IATA / ICAO)	None allocated
PROPER SHIPPING NAME	
Land transport (ADG)	None allocated
Sea transport (IMDG / IMO)	None allocated
Air transport (IATA / ICAO)	None allocated
TRANSPORT HAZARD CLASS	
Land transport (ADG)	None allocated
Sea transport (IMDG / IMO)	None allocated
Air transport (IATA / ICAO)	None allocated
PACKING GROUP	
Land transport (ADG)	None allocated
Sea transport (IMDG / IMO)	None allocated
Air transport (IATA / ICAO)	None allocated
Environmental hazards	No information provided
SPECIAL PRECAUTIONS FOR USER	
Hazchem code	None allocated

15. REGULATORY INFORMATION

Poison schedule	A poison schedule number has not been allocated to this product using the criteria in the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).
Inventory Listing(s)	**AUSTRALIA: AICS (Australian Inventory of Chemical Substances).** All components are listed on AICS, or are exempt.

Information sourced from Austral Ply. E&OE.

16. OTHER INFORMATION

Additional info	**RESPIRATORS:** In general the use of respirators should be limited and engineering controls employed to avoid exposure. If respiratory equipment must be worn ensure correct respirator selection and training is undertaken. Remember that some respirators may be extremely uncomfortable when used for long periods. The use of air powered or air supplied respirators should be considered where prolonged or repeated use is necessary.
	COMBUSTIBLE - EXPLOSIVE CARBONACEOUS DUST: Carbonaceous/organic dusts have the potential, with dispersion, to present an explosion hazard if an ignition source exists. All equipment used to handle, transfer or store this product MUST BE cleaned thoroughly prior to cutting, welding, drilling or exposure to any other form of heat or ignition sources. If bulk stored, containers should be ventilated on a routine basis to avoid vapour accumulation (where applicable, eg for flocculants).
	PERSONAL PROTECTIVE EQUIPMENT GUIDELINES: The recommendation for protective equipment contained within this report is provided as a guide only. Factors such as method of application, working environment, quantity used, product concentration and the availability of engineering controls should be considered before final selection of personal protective equipment is made.
	HEALTH EFFECTS FROM EXPOSURE: It should be noted that the effects from exposure to this product will depend on several factors including: frequency and duration of use; quantity used; effectiveness of control measures; protective equipment used and method of application. Given that it is impractical to prepare a ChemAlert report which would encompass all possible scenarios, it is anticipated that users will assess the risks and apply control methods where appropriate.

Abbreviations		
	ACGIH	American Conference of Governmental Industrial Hygienists
	CAS #	Chemical Abstract Service number - used to uniquely identify chemical compounds
	CNS	Central Nervous System
	EC No.	EC No - European Community Number
	GHS	Globally Harmonized System
	IARC	International Agency for Research on Cancer
	LC50	Lethal Concentration, 50% / Median Lethal Concentration
	LD50	Lethal Dose, 50% / Median Lethal Dose
	mg/m³	Milligrams per Cubic Metre
	OEL	Occupational Exposure Limit
	PEL	Permissible Exposure Limit
	p	relates to hydrogen ion concentration using a scale of 0 (high acidic) to 14 (highly alkaline).
	ppm	Parts Per Million
	REACH	Regulation on Registration, Evaluation, Authorisation and Restriction of Chemicals
	STEL	Short-Term Exposure Limit
	STOT-RE	Specific target organ toxicity (repeated exposure)
	STOT-SE	Specific target organ toxicity (single exposure)
	SUSMP	Standard for the Uniform Scheduling of Medicines and Poisons
	SWA	Safe Work Australia
	TLV	Threshold Limit Value
	TWA	Time Weighted Average

Revision history	Revision - 1.0
	Description - Initial SDS Creation
Report status	This document has been compiled by RMT on behalf of the manufacturer, importer or supplier of the product and serves as their Safety Data Sheet ('SDS'). It is based on information concerning the product which has been provided to RMT by the manufacturer, importer or supplier or obtained from third party sources and is believed to represent the current state of knowledge as to the appropriate safety and handling precautions for the product at the time of issue. Further clarification regarding any aspect of the product should be obtained directly from the manufacturer, importer or supplier. While RMT has taken all due care to include accurate and up-to-date information in this SDS, it does not provide any warranty as to accuracy or completeness. As far as lawfully possible, RMT accepts no liability for any loss, injury or damage (including consequential loss) which may be suffered or incurred by any person as a consequence of their reliance on the information contained in this SDS.
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Information sourced from Austral Ply. E&OE.