SAFETY DATA SHEET

Product Name **TASCO MICROPRO TREATED TIMBER**

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Supplier name	**DONGWHA TIMBERS PTY LTD**
Address	1 Sandy Lane, Bombala, NSW, 2632, AUSTRALIA
Telephone	02 6459 5555
Fax	02 6458 3756
Emergency	1800 805 840
Email	info@tascoaustralia.com.au
Web site	www.tascoaustralia.com.au
Synonym(s)	TASCO MICROPRO TREATED TIMBER
Use(s)	BUILDING MATERIAL • LANDSCAPING TIMBER • TIMBER
SDS date	07 March 2013

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	**DG class**	None Allocated
Packing group	None Allocated	**Subsidiary risk(s)**	None Allocated
Hazchem code	None Allocated		

3. COMPOSITION/ INFORMATION ON INGREDIENTS

Ingredient	Identification	Classification	Content
METHANOL	CAS: 67-56-1 EC: 200-659-6	F;R11 T;R23/24/25 T;R39/23/24/25	0.04 to 0.08%
SODIUM NITRITE	CAS: 7632-00-0 EC: 231-555-9	T;R25 O;R8 N;R50	<0.008%
TIMBER (SOFTWOOD/HARDWOOD)	Not Available	Not Available	>95%
COPPER (II) CARBONATE HYDROXIDE	CAS: 12069-69-1 EC: 235-113-6	Not Available	1 to 2%
ADDITIVE(S)	Not Available	Not Available	<1%
N,N-DIDECYL-N,N-DIMETHYLAMMONIUM CARBONATE	CAS: 894406-76-9	Not Available	0.4 to 0.8%
DISPERSANT(S)	Not Available	Not Available	0.1 to 0.3%
PROPYLENE GLYCOL (PROPANE-1,2-DIOL)	CAS: 57-55-6 EC: 200-338-0	Not Available	0.05 to 0.15%
DIDECYL TERTIARY AMINE	CAS: 7396-58-9 EC: 230-990-1	Not Available	<0.08%

4. FIRST AID MEASURES

Eye Exposure is considered unlikely unless dust is generated. Hold eyelids apart and flush the eye continuously with running water for 15 minutes.

Inhalation Due to product form / nature of use, an inhalation hazard is not anticipated (unless sanding and creating wood dust).

Skin Due to product form, acute skin hazards are not anticipated. If irritation occurs, seek medical advice.

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 oxides, hydrocarbons) when heated to decomposition. Finely divided dust may form explosive mixtures with air.

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 Water spray or fog, for large quantities. 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	Reference	TWA		STEL	
		ppm	mg/m³	ppm	mg/m³
Copper, dusts & mists (as Cu)	SWA (AUS)	--	1	--	--
Methanol	SWA (AUS)	200	262	250	328
Propane-1,2-diol (particulates only)	SWA (AUS)	--	10	--	--
Propane-1,2-diol (total vapour & particulates)	SWA (AUS)	150	474	--	--
Wood dust (certain hardwoods such as beech & oak)	SWA (AUS)	--	1	--	--
Wood dust (soft wood)	SWA (AUS)	--	5	--	10

Biological limits

Ingredient	Reference	Determinant	Sampling Time	BEI
METHANOL	ACGIH BEI	Methanol in urine	End of shift	15 mg/L

Engineering controls Avoid inhalation. Use in well ventilated areas. If sanding, drilling or cutting, use appropriate local extraction ventilation. Maintain dust levels below the recommended exposure standard.

PPE

Eye / Face	Wear dust-proof goggles.
Hands	Wear leather or cotton gloves.
Body	Not required under normal conditions of use.
Respiratory	If cutting or sanding with potential for dust generation, wear a Class P1 (Particulate) respirator.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	SOLID
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	NOT AVAILABLE
Solubility (water)	INSOLUBLE
Vapour pressure	NOT AVAILABLE
Upper explosion limit	NOT AVAILABLE
Lower explosion limit	NOT AVAILABLE
Autoignition temperature	NOT AVAILABLE
Decomposition temperature	NOT AVAILABLE
Viscosity	NOT AVAILABLE
Partition coefficient	NOT AVAILABLE
% Volatiles	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 oxides, hydrocarbons) when heated to decomposition.
Hazardous Reactions	Polymerization will not occur.

11. TOXICOLOGICAL INFORMATION

Health Hazard Summary	Low acute toxicity. This product may present a hazard if wood is sanded, drilled or cut with dust generation. Use with appropriate engineering controls (eg. dust extraction) and safe work practices to avoid dust generation - inhalation and eye or skin contact. Wood dust is classified as carcinogenic to humans (IARC Group 1), adverse health effects are usually associated with long term exposure to high dust levels.
Eye	Due to product form and nature of use, the potential for exposure is reduced. Product may only present a hazard if wood is cut or sanded with dust generation, which may result in lacrimation and irritation.
Inhalation	Due to product form and nature of use, the potential for exposure is reduced. An inhalation hazard is not anticipated unless cut, drilled or sanded with dust generation, which may result in irritation of the nose and throat. Chronic exposure to wood dust may result in result in nasal and paranasal sinus cancers (IARC Group 1). Low irritant. Prolonged or repeated exposure to dust may result in irritation and dermatitis.

Skin

Ingestion Ingestion is considered unlikely due to product form.

Toxicity data

METHANOL (67-56-1)

LC50 (inhalation)	50 g/m³/2 hours (mouse)
LCLo (inhalation)	1000 ppm (monkey)
LD50 (ingestion)	5628 mg/kg (rat)
LD50 (skin)	15,800 mg/kg (rabbit)
LDLo (ingestion)	143 mg/kg (human)
LDLo (skin)	393 mg/kg (monkey)
TCLo (inhalation)	300 ppm human (visual effects)
TDLo (ingestion)	3429 mg/kg (man-visual change)

SODIUM NITRITE (7632-00-0)

LC50 (inhalation)	5.5 mg/m³/4 hours (rat)
LD50 (ingestion)	180 mg/kg (rat)
LD50 (intravenous)	65 mg/kg (rat)
LDLo (ingestion)	22 mg/kg (child)
LDLo (intraperitoneal)	158 mg/kg (mouse)
LDLo (intravenous)	15 mg/kg (dog)
LDLo (subcutaneous)	35 mg/kg (cat)
TCLo (inhalation)	0.125 mg/m³/22 weeks intermittently (rat)
TDLo (ingestion)	1.7 mg/kg/70 minutes (man)
TDLo (intraperitoneal)	400 mg/kg (pregnant rat)
TDLo (intravenous)	36 mg/kg (pregnant cattle)

COPPER (II) CARBONATE HYDROXIDE (12069-69-1)

LD50 (ingestion)	159 mg/mg (rabbit)
LDLo (ingestion)	900 mg/kg (duck)

PROPYLENE GLYCOL (PROPANE-1,2-DIOL) (57-55-6)

LD50 (ingestion)	> 2080 mg/kg (quail)
LD50 (intraperitoneal)	6660 mg/kg
LD50 (intravenous)	2600 mg/kg (dog)
LD50 (skin)	20800 mg/kg (rabbit)
LD50 (subcutaneous)	17370 mg/kg (mouse)
LDLo (intramuscular)	6300 mg/kg (rabbit)
LDLo (subcutaneous)	15500 mg/kg (guinea pig)
TDLo (ingestion)	79 g/kg/56 weeks intermittently (child)

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 Dispose of to an approved landfill site. Do not burn treated timber. Contact the manufacturer for additional information.

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

	LAND TRANSPORT (ADG)	SEA TRANSPORT (IMDG / IMO)	AIR TRANSPORT (IATA / ICAO)
UN number	None Allocated	None Allocated	None Allocated
Proper shipping name	None Allocated	None Allocated	None Allocated
DG class/ Division	None Allocated	None Allocated	None Allocated
Subsidiary risk(s)	None Allocated	None Allocated	None Allocated
Packing group	None Allocated	None Allocated	None Allocated
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.

16. OTHER INFORMATION

Additional information

•Do not burn treated timber
•Do not use treated timber as mulch
•Treated or untreated wood dust may cause eye, skin and respiratory irritation
•Wear dust mask and eye protection when cutting or sanding timber
•Wear gloves when working with timber

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.

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.

Product Name **TASCO MICROPRO TREATED TIMBER**

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
LD50	Lethal Dose, 50% / Median Lethal Dose
mg/m^3	Milligrams per Cubic Metre
PEL	Permissible Exposure Limit
pH	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
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
TLV	Threshold Limit Value
TWA/OEL	Time Weighted Average or Occupational Exposure Limit

Revision history

Revision	Description
1.1	Standard SDS Review
1.0	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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End of SDS