



Material Safety Data Sheet

Issue Date: September 2010

PURATHANE

1. PRODUCT AND SUPPLIER IDENTIFICATION

Product Name	PURATHANE
Other Names	PURATHANE GLOSS, PURATHANE SATIN PURATHANE MATT Urethane Coatings Purathane, Water borne polyurethane resin.
Product Use	Waterborne timber finish.
Company Name	Urethane Coatings Pty Ltd
ABN	98 105 086 397
Address	10 Powells Rd Brookvale NSW 2100
Telephone	(02) 9905 3283
Fax	(02) 9905 5688
Emergency Telephone	0412 818 817

2. HAZARDS IDENTIFICATION

Hazards Classification	According to the criteria of WorkSafe Australia, this product is classified as non-hazardous.
Poisons Schedule	This substance is not a scheduled poison.
Risk Phrases	R22, R36/37/38.
Safety Phrases	S03/09/14, S13, S24/25, S36/37/39.

3. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL ENTITY	CAS No	PROPORTION
HAZARDOUS	Nil	Nil

The ingredients of this product are not specifically identified as they are classified non-hazardous.



4. FIRST AID MEASURES

Ingestion	Rinse mouth with water and give a glass of water to drink. Do not induce vomiting. Seek immediate medical advice and/or call poisons information centre (Australia 131126).
Eye	Irrigate affected eye(s) with copious quantities of water for 15 minutes ensuring eyelids are held open. Seek medical advice if any pain or redness develops or persists.
Skin	Wash affected and surrounding skin thoroughly with soap and water as soon as possible. Remove contaminated clothing and wash underlying skin. Launder clothing before re-use. If swelling, redness, or irritation occurs seek medical advice.
Inhaled	If affected, remove person to fresh air. Seek medical advice if symptoms develop or persist.
Advice to Doctor	Treat symptomatically.

5. FIRE FIGHTING MEASURES

Fire Hazards	Non Flammable liquid, however after evaporation of water component residual material will support combustion. Keep containers cool with water spray.
Extinguishing Media	Foam, carbon dioxide, or dry chemical powder. Use water fog/spray. Avoid spreading liquid and fire by water flooding.
Fire Fighting Measures	Fire fighters to wear suitable personal protective clothing and equipment and to use self-contained breathing apparatus if risk of exposure to vapour or products of combustion.
Hazchem Code	Not applicable.

6. ACCIDENTAL RELEASE MEASURES

Minor Spills	Avoid contact with product. Absorb with an inert non-combustible material such as vermiculite or sand, shovel into suitable waste container, allow to dry and treat as a solid waste. Do not pour or allow spilt of leftover material to enter drains sewers or waterways. Empty containers should be left open to dry out and recycled via appropriate recycling program. Ensure disposal conforms to Local, State and Federal regulations.
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**Major Spills**

Inform authorities if a major spillage occurs. Evacuate all non-emergency personnel from area. Keep public away. Warn occupants downwind. Dike area far ahead of liquid and recover. Prevent entry into drainage systems, and waterways. Collect with absorbent material such as sand, earth or vermiculite. Ensure disposal conforms to Local, State and Federal regulations.

7. HANDLING AND STORAGE**Handling**

When handling this product avoid personal contact by using appropriate personal protective equipment as detailed in section 8. Ensure adequate ventilation and, if necessary, exhaust ventilation when handling or transferring the product.

Storage

Store above 5°C in a cool well ventilated area, away from direct sun light and sources of heat. Store away from oxidising agents and foodstuffs. Keep containers tightly closed when not in use. Ensure all containers are clearly labelled and check regularly for leaks.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits¹ No time weighted average (TWA) concentration has been assigned for this specific material or its components, but consider 5 g/m³, which means the highest allowable exposure concentration in an eight-hour day for a five-day working week.

Other Exposure Info

Exposure Standard means the average concentration of a particular substance in the worker's breathing zone, exposure to which, according to current knowledge, should not cause adverse health effects nor cause undue discomfort to nearly all workers. It can be of three forms: Time Weighted Average (TWA) means the average airborne concentration of a particular substance when calculated over a normal eight-hour working day, for a five-day working week; peak limitation; or short term exposure limit (STEL).

Engineering Controls

Exposure can be controlled in a number of ways. The measures appropriate for a particular worksite depend on how the material is used and on the potential for exposure. Engineering methods to prevent or control exposure are preferred. Methods include process or personnel enclosure, mechanical ventilation (dilution and local exhaust), and control of process conditions. If engineering controls and work practices are not effective in preventing or controlling exposure, then suitable personal protective equipment, which is known to perform satisfactorily, should be used.



Personal Protective Equipment Avoid eye and skin contact. Avoid inhaling the vapour or mist. Follow normal industrial safety practices. The use of protective clothing and equipment depends on the degree of exposure. The following personal protective equipment should be used:

Respiratory Protection Where concentrations in air exceed recommended exposure limits, or work practice or other means of exposure reduction are not adequate, use respirator fitted with filters that conform with AS 1716.

Eye Protection Use safety glasses, chemical goggles or face shield as appropriate. Refer to AS 1337.

Hand Protection Use chemical resistant rubber gloves. Refer to AS 2161.

Protective Clothing Use long sleeved chemical resistant overalls, fastened at neck and wrists. Refer to AS 3765.

Footwear Wear chemically impervious safety shoes/boots. Refer to AS 2210.

Work/Hygienic Practices Ensure high level of personal hygiene is maintained when using this product. Always wash hands before eating, drinking etc.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	White liquid
Odour	Weak acrylic odour
Density (g/l @ 25°C)	1035
pH	7.5 (basic)
Volatiles (v/v %)	Not available
Solubility	Miscible with water
Melting Point (°C)	Not Applicable
Boiling Point (°C)	100 (Water)
Vapour Pressure (mm Hg @ 25°C, 1 atm)	Not available
Flash Point (°C)	Not Applicable
Flammability Limits (v/v %)	Not Applicable
Auto ignition temperature (°C)	Not Applicable
Rel. Vapour Density (Air = 1)	>1
Evaporation Rate (relative to n-butyl acetate)	Not available
Molar mass (g/mol)	Mixture



10. STABILITY AND REACTIVITY

Chemical Stability	Stable under normal conditions of use.
Conditions to Avoid	Avoid extreme conditions of temperature. Avoid contact with foodstuffs.
Incompatible Materials	Incompatible with strong oxidising agents.
Decomposition Products	Oxides of carbon, and nitrogen.
Hazardous Polymerization	None known.

11. TOXICOLOGICAL INFORMATION

Toxicology	No adverse health effects are expected if Purathane is handled within normal OH&S guidelines and in accordance with this document.
Ingestion	No adverse effects are expected after ingestion of small quantities. Ingestion of large quantities may cause nausea and vomiting.
Skin Contact	Repeated skin contact may result in irritation and redness.
Eye Contact	Eye contact may result in irritation.
Inhalation	May be irritating to the mucous membranes of the respiratory tract.

12. ECOLOGICAL INFORMATION

Aquatic Toxicity	Prevent entry into drainage systems and waterways.
Soil Mobility	Readily absorbed to soil.
Biodegradability	No data available.
Bioaccumulation	No data available.

13. DISPOSAL CONSIDERATIONS

Disposal Considerations	Ensure waste disposal conforms to Local, State and Federal regulations. This product is suitable for incineration by an appropriate facility. This product is recommended for disposal by landfill once it has fully cured. Empty containers should be recycled or disposed of through a licensed contractor. Care should be taken with empty packaging, which may contain product residue.
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14. TRANSPORT INFORMATION

Transport Information	NON-DANGEROUS GOODS as classified by the by the criteria of the Australian Dangerous goods code (ADG Code) for Transport by Road and Rail.		
UN number	Not Regulated	Hazchem Code	Not Applicable
Proper Shipping Name	PURATHANE	Packaging Group	Not Applicable
DG Class	Not Applicable	IERG Number	Not Applicable
Packaging Method	Not Applicable	CAS No	PROPRIETARY
EPG Number	Not Applicable		
IMDG	Not Applicable		
Subsidiary Risk	Nil		

15. REGULATORY INFORMATION

Poisons Schedule	This substance is not a scheduled poison.
Packaging and Labelling	5 and 1 litre containers with Regulatory, safety and first aid information clearly labelled.
Shelf Life	This product is best if used within 12 months from manufacture (refer to batch number), when stored in unopened containers under normal conditions of temperature and humidity.

16. OTHER INFORMATION

Contact Person/Point	Urethane Coatings Pty Ltd 10 Powells Rd, BROOKVALE NSW 2100 B.H. (02) 9905 3283 A.H. 0412 818 817 G. M. Webb
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Additional Information New issue

1. Safe Work Australia, 1993, 'Adopted national exposure standards for atmospheric contaminants in the occupational environment', www.worksafeaustralia.gov.au [cited] 27 January 2010.

NOTICE TO READERS

Urethane Coatings make no representation as to the completeness and accuracy of the data contained in this MSDS. It is the user's obligation to evaluate and use this data, and to comply with all relevant Federal, State and Local Government laws and regulations. Urethane Coatings shall not be responsible for loss, damage or injury resulting from reliance upon or failure to adhere to any recommendations contained herein, from abnormal use of the material, or from any hazard inherent in the nature of the material.

End of MSDS