



Material Safety Data Sheet

Issue Date: July 2010

NATURAL DECKING OIL

1. PRODUCT AND SUPPLIER IDENTIFICATION

Product Name	NATURAL DECKING OIL
Other Names	Urethane Coatings NATURAL DECKING OIL, exterior timber finish
Product Use	Protective coating for exterior timber structures including: decking, outdoor furniture, unpainted weather boards, door jams, window frames, fences, steps and railings.
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 hazardous.
Poisons Schedule	S5
Risk Phrases	R10, R20/21/22, R36/37/38, R52.
Safety Phrases	S02, S03/09/14, S07/8, S13, S14, S16, S21, S23, S24/25, S26, S28, S29, S35, S36/37/39, S38, S61, S62.

3. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL ENTITY	CAS No	PROPORTION
HAZARDOUS		
Kerosene	8008-20-6	40%-55%
White spirit	64742-88-7	<15%



4. FIRST AID MEASURES

Ingestion	Rinse mouth immediately with water and give water to drink. Do NOT induce vomiting. If vomiting occurs, place affected person's face downwards, head lower than hips to prevent vomit entering lungs. Obtain medical attention 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.
Inhalation	Inhalation of mists, fumes, or vapour may cause irritation to the nose or throat. Remove affected person to fresh air. Commence artificial respiration if needed. If symptoms persist obtain medical advice.
Other Information	Eye wash fountains and safety showers should be easily accessible.
Advice to Doctor	Treat symptomatically.

5. FIRE FIGHTING MEASURES

Fire Hazards	Flammable liquid. Keep containers cool with water spray. All potential sources of ignition (open flames, pilot lights, furnaces, spark producing switches and electrical equipment etc.) must be eliminated both in and near the work area.
Extinguishing Media	Foam, carbon dioxide or dry chemical powder. Use water fog or water 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	3[Y]



6. ACCIDENTAL RELEASE MEASURES

Minor Spills Extinguish or remove all potential sources of ignition. Increase ventilation. Avoid physical contact with this material. Absorb with an inert non-combustible material such as vermiculite or sand. Wear full protective clothing and goggles. Prevent run off into drains or waterways. Collect and place into drums with non-sparking tools for recovery or disposal.

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. Extinguish all ignition sources. Prevent entry into drainage systems, rivers etc. Collect with absorbent material such as sand, vermiculite or earth. Ensure waste disposal conforms to Local, State and Federal regulations.

7. STORAGE AND HANDLING

Handling Use with adequate ventilation. Avoid inhaling vapour. Avoid contact with eyes, skin and clothing. Flammable liquid. All potential sources of ignition (open flames, pilot lights, furnaces, spark producing switches and electrical equipment etc.) must be eliminated both in and near the work area. DO NOT smoke.

Storage Store in a cool, dry, well-ventilated area, away from sources of heat and ignition. 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. Store in accordance with AS 1940-1993 and conform to Local, State and Federal regulations.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits¹ No specific data is available for this product. Component limits are as follows:

Name	mg/m ³ TWA	ppm TWA
White Spirit	None Specified*	None Specified*
Kerosene	None Specified*	None Specified*

* No Time Weighted average concentration (TWA) for White Spirit or Kerosene has been established 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, work practice, or other means of exposure reduction are not adequate, use respirator fitted with filters that conform to 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	Opaque, milk chocolate brown liquid
Odour	Mild solvent odour
Density (g/l @ 25°C)	864
pH	Not applicable
Volatiles (w/w %)	65
Solubility	Insoluble in water
Melting Point (°C)	Not available
Boiling Point (°C)	Not available
Vapour Pressure (@ 25 °C, 1 atm)	Not available
Flash Point (°C)	>40
Flammability Limits (v/v %)	0.9-7.5
Auto ignition temperature (°C)	Not available
Rel. Vapour Density (Air = 1)	>1
Auto ignition Temp. (°C)	Not available
Evaporation Rate (relative to n-butyl acetate)	Not available
Molar mass (g/mol)	Mixture

10. STABILITY AND REACTIVITY

Stability	Stable under normal conditions.
Conditions to Avoid	Sparks, heat, sources of ignition.
Incompatible Materials	Strong oxidising agents, mineral acids, corrosives, and halogenated compounds. Avoid prolonged contact with natural, butyl or nitrile rubbers.
Decomposition Products	Oxides of carbon and nitrogen.
Hazardous Polymerization	Will not occur

11. TOXICOLOGICAL INFORMATION

Toxicology	Data unavailable for this product. However, for component ingredient Kerosene, see the following. Kerosene Acute oral toxicity (rat) expected to be low. Aspiration into the lungs when swallowed may cause chemical pneumonitis. Acute skin toxicity (rat) expected to be low. Acute inhalation toxicity (rat) expected to be low.
Ingestion	Ingestion can result in nausea, vomiting and diarrhoea.
Eye Contact	A moderate eye irritant. May cause redness, or blurred vision.



Skin Contact	Contact with the skin may result in mild irritation.
Inhalation	Vapour may be an irritant to mucous membranes and respiratory tract. Inhalation of high concentrations of vapour can cause central nervous system depression with effects such as loss of co-ordination, impaired judgement, headache, and if exposure is prolonged, unconsciousness.
Chronic Effects	Prolonged or repeated skin contact may lead to defatting and dermatitis.

12. ECOLOGICAL INFORMATION

Aquatic toxicity	Expected to be harmful to fish and aquatic organisms. Expected to be toxic to algae.
Mobility	Floats on water. Potential for soil mobility.
Biodegradability	Unlikely, but oxidises rapidly by UV light.
Bioaccumulation	Has the potential to bio-accumulate.

13. DISPOSAL CONSIDERATIONS

Disposal Considerations	Ensure waste disposal conforms to Local, State and Federal regulations. After product has cured or absorbed, disposal by landfill. Empty containers should be recycled or disposed of through a licensed contractor. Care should be taken with empty packaging, which may contain product residue that may be harmful.
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14. TRANSPORT INFORMATION

Transport Information	Classified as Dangerous Goods, Class 3 Flammable Liquid, by the criteria of the Australian Dangerous goods code (ADG Code) for Transport by Road and Rail.
UN number	1263
Proper Shipping Name	Paint
DG Class	3
Hazchem Code	3[Y]
Packaging Method	
Packaging Group	III
EPG Number	
IERG Number	
CAS No	PROPRIETARY
Subsidiary Risk	Nil



15. REGULATORY INFORMATION

Poisons Schedule	S5
Packaging and Labelling	20, 10, 4 and 1 litre drums with class 3 labels according to Australian Code for Transport of Dangerous Goods and labels to meet the requirements of a Schedule 5 poison.
Shelf Life	This product is best if used within 12 months from manufacture (refer to batch number on label), 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

Additional Information Updates the August 2005 issue to 16-part format.

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