

**PRODUCT NAME OSMOSE L-BOR TIMBER PRESERVATIVE**

**1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER**

**Supplier Name** OSMOSE (AUSTRALIA) PTY LTD  
**Address** Cafirco Road, Mount Gambier, SA, AUSTRALIA, 5290  
**Telephone** (08) 8723 1399  
**Fax** (08) 8732 0010  
**Emergency** 1800 088 809  
**Email** customerservices@osmose.com.au  
**Web Site** http://www.osmose.com.au

**Synonym(s)**

**Use(s)** INDUSTRIAL APPLICATIONS • TIMBER PRESERVATIVE

**2. HAZARDS IDENTIFICATION**

NOT CLASSIFIED AS HAZARDOUS ACCORDING TO NOHSC CRITERIA

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

<b>UN No.</b>	None Allocated	<b>Hazchem Code</b>	None Allocated	<b>Pkg Group</b>	None Allocated
<b>DG Class</b>	None Allocated	<b>Subsidiary Risk(s)</b>	None Allocated	<b>EPG</b>	None Allocated

**3. COMPOSITION / INFORMATION ON INGREDIENTS**

Ingredient	Formula	Conc.	CAS No.
WATER	H2O	40-70%	7732-18-5
DISODIUM OCTABORATE TETRAHYDRATE	B8-Na2-O13.4H2O	30-60%	12008-41-2

**4. FIRST AID MEASURES**

**Eye** Hold eyelids apart and flush continuously with water. Continue until advised to stop by the Poisons Information Centre, a doctor, or for at least 15 minutes. Keep patient calm.

**Inhalation** If over exposure occurs leave exposure area immediately. If irritation persists, seek medical attention.

**Skin** Remove contaminated clothing and gently flush affected areas with water. Seek medical attention if irritation develops. Launder clothing before reuse.

**Ingestion** For advice, contact a Poisons Information Centre on 13 11 26 (Australia Wide) or a doctor.

**Advice to Doctor** Treat symptomatically

**5. FIRE FIGHTING MEASURES**

**Flammability** Non flammable. No fire or explosion hazard exists.

**Fire and Explosion** Non flammable. Evacuate area and contact emergency services. 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** Non flammable.

**Hazchem Code** None Allocated

PRODUCT NAME **OSMOSE L-BOR TIMBER PRESERVATIVE**

**6. ACCIDENTAL RELEASE MEASURES**

**Spillage** If spilt (bulk), wear splash-proof goggles, PVC/rubber gloves, coveralls and rubber boots. Absorb spill with sand or similar, collect and place in sealable containers for disposal. Prevent spill entering drains or waterways. Caution: Slippery when spilt.

**7. STORAGE AND HANDLING**

**Storage** Store in cool, dry, well ventilated area, removed from oxidising agents, acids, alkalis, alkaloidal and metallic salts. Ensure containers are adequately labelled, protected from physical damage and sealed when not in use.

**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**

**Ventilation** Ensure adequate natural ventilation.

**PPE** Wear splash-proof goggles and rubber or PVC gloves. When using large quantities or where heavy contamination is likely, wear coveralls.



**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance</b>	CLEAR COLOURLESS LIQUID	<b>Solubility (water)</b>	SOLUBLE
<b>Odour</b>	SLIGHT ODOUR	<b>Specific Gravity</b>	1.204
<b>pH</b>	7.4	<b>% Volatiles</b>	NOT AVAILABLE
<b>Vapour Pressure</b>	2.39 kPa @ 20°C	<b>Flammability</b>	NON FLAMMABLE
<b>Vapour Density</b>	NOT AVAILABLE	<b>Flash Point</b>	NOT RELEVANT
<b>Melting Point</b>	NOT AVAILABLE	<b>Upper Explosion Limit</b>	NOT RELEVANT
<b>Boiling Point</b>	100°C (Approximately)	<b>Lower Explosion Limit</b>	NOT RELEVANT
<b>Evaporation Rate</b>	NOT AVAILABLE	<b>Autoignition Temperature</b>	NOT AVAILABLE

**10. STABILITY AND REACTIVITY**

**Reactivity** Incompatible with oxidising agents (eg peroxides), acids (eg nitric acid), fluorine, alkaloidal and metallic salts.

**Decomposition Products** May evolve toxic gases if heated to decomposition.

**11. TOXICOLOGICAL INFORMATION**

**Health Hazard Summary** Low to moderate toxicity - irritant. This product may only present a hazard with direct eye or prolonged skin contact or with ingestion. Chronic exposure to borates may result in central nervous system depression (CNS). An inhalation hazard is not anticipated under normal conditions of use. Maintain good personal hygiene standards when handling this product.

**Eye** Irritant. Exposure may result in lacrimation, irritation, pain, redness, conjunctivitis and possible corneal burns with prolonged contact.

**Inhalation** Low irritant. Over exposure at high levels may result in mucous membrane irritation of the upper respiratory tract (ie. nose and throat) and coughing. However, due to the low vapour pressure, adverse health effects are not anticipated under normal conditions of use.

**Skin** Irritant. Prolonged contact may result in irritation, itching and possible skin rash.

**Ingestion** Low to moderate toxicity. Ingestion may result in nausea, vomiting, diarrhoea and abdominal pain. Large quantities may cause shock and coma.

**Toxicity Data** DISODIUM OCTABORATE TETRAHYDRATE (12008-41-2)  
LD50 (Ingestion): 2 g/kg (rat)

## 12. ECOLOGICAL INFORMATION

**Environment** If released to water, borates may be taken up by plants with toxic effects. Borates are toxic to plants at low levels (eg above 0.001 ppm for sodium borate, 0.5 ppm for boric acid). Calcium may precipitate out some of the borate, but this process will not significantly reduce toxicity to plants. Borates may be toxic to fish above 3000 ppm.

## 13. DISPOSAL CONSIDERATIONS

**Waste Disposal** For small amounts absorb with sand, vermiculite or similar and dispose of to an approved landfill site. Contact the manufacturer for additional information if larger amounts are involved.

**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**

**Shipping Name** None Allocated

**UN No.** None Allocated

**DG Class** None Allocated

**Subsidiary Risk(s)** None Allocated

**Pkg Group** None Allocated

**Hazchem Code** None Allocated

**EPG** 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 Drugs and Poisons (SUSDP).

**AICS** All chemicals listed on the Australian Inventory of Chemical Substances (AICS).

## 16. OTHER INFORMATION

**Additional Information** 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.

### ABBREVIATIONS:

mg/m<sup>3</sup> - Milligrams per cubic metre

ppm - Parts Per Million

TWA/ES - Time Weighted Average or Exposure Standard.

CNS - Central Nervous System

NOS - Not Otherwise Specified

pH - relates to hydrogen ion concentration - this value will relate to a scale of 0 - 14, where 0 is highly acidic and 14 is highly alkaline.

CAS# - Chemical Abstract Service number - used to uniquely identify chemical compounds.

M - moles per litre, a unit of concentration.

IARC - International Agency for Research on Cancer.

### PERSONAL PROTECTIVE EQUIPMENT GUIDELINES:

The recommendation for protective equipment contained within this Chem Alert 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 Chem Alert report which would encompass all possible scenarios, it is anticipated that users will assess the risks and apply control methods where appropriate.

**Report Status** This document has been compiled by RMT on behalf of the manufacturer of the product and serves as the manufacturer's Material Safety Data Sheet ('MSDS').

It is based on information concerning the product which has been provided to RMT by the manufacturer 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.

While RMT has taken all due care to include accurate and up-to-date information in this MSDS, 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 MSDS.

**PRODUCT NAME** **OSMOSE L-BOR TIMBER PRESERVATIVE**

**Prepared By** Risk Management Technologies  
5 Ventnor Ave, West Perth  
Western Australia 6005  
Phone: +61 8 9322 1711  
Fax: +61 8 9322 1794  
Email: info@rmt.com.au  
Web: www.rmt.com.au

**MSDS Date:** 23 March 2006

**End of Report**