

PRODUCT NAME OSMOSE HYLITE 80 ANTI-SAPSTAIN

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) HYLITE 80 ANTI SAPSTAIN

Use(s) TIMBER PRESERVATIVE

2. HAZARDS IDENTIFICATION

CLASSIFIED AS HAZARDOUS ACCORDING TO NOHSC CRITERIA

RISK PHRASES

R36/38 Irritating to eyes and skin.

SAFETY PHRASES

S2 Keep out of reach of children.

S41 In case of fire and/or explosion, do not breathe fumes.

CLASSIFIED AS A DANGEROUS GOOD BY THE CRITERIA OF THE ADG CODE

UN No.	2586	Hazchem Code	2X	Pkg Group	III
DG Class	8	Subsidiary Risk(s)	None Allocated	EPG	8A1

3. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient	Formula	Conc.	CAS No.
1-METHYL-2-PYRROLIDINONE	C5-H9-N-O	30-60%	872-50-4
CARBENDAZIM	C9-H9-N3-O2	<9%	10605-21-7
COPPER 8-HYDROXYQUINOLATE	Not Available	<9%	10380-28-6
DODECYLBENZENE SULPHONIC ACID	C18-H30-O3-S	30-60%	27176-87-0
POLYETHYLENE GLYCOL MONO(NONYLPHENOL) ETHER	(C2-H4-O)nC15-H24-O	<9%	9016-45-9

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 wash before re-use or discard. Wash affected area gently with soap and water. If irritation develops and persists, seek medical attention.

Ingestion DO NOT induce vomiting. Immediately wash out mouth with water, and then give water to drink. Seek medical attention.

Advice to Doctor Treat symptomatically

PRODUCT NAME **OSMOSE HYLITE 80 ANTI-SAPSTAIN**

5. FIRE FIGHTING MEASURES

Flammability	Combustible. May evolve toxic gases (carbon/ nitrogen oxides, hydrocarbons) when heated to decomposition.
Fire and Explosion	Combustible. Evacuate area and contact emergency services. Toxic gases (hydrocarbons, carbon oxides, nitrogen oxides) may be evolved. Remain upwind and notify those downwind of potential hazard. Wear full protective equipment (see spill) 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, absorb runoff with sand or similar.
Hazchem Code	2X

6. ACCIDENTAL RELEASE MEASURES

Spillage	If spilt (bulk), collect and reuse where possible. Wear splash-proof goggles, PVC/rubber gloves, coveralls or protective clothing and boots. Where an inhalation risk exists, wear a Type A (Organic vapour) respirator. Prevent spill entering drains or waterways. Absorb with sand or similar and place in sealable containers for disposal.
-----------------	---

7. STORAGE AND HANDLING

Storage	Store in cool, dry, well ventilated area, out of direct sunlight and out of reach of children, removed from oxidising agents, acids and alkalis, direct sunlight, heat and ignition sources and foodstuffs. 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	Use with adequate natural ventilation. Open windows and doors where possible. In poorly ventilated areas, mechanical extraction ventilation is recommended.
--------------------	---

Exposure Standards	1-METHYL-2-PYRROLIDINONE (872-50-4) ES-STEL : 75 ppm (309 mg/m3) 1-Methyl-2-pyrrolidone ES-TWA: 25 ppm (103 mg/m3) 1-Methyl-2-pyrrolidone WES-TWA: 25 ppm (103 mg/m3) CARBENDAZIM (10605-21-7) ES-TWA: 0.1 mg/m3 (Russian OEL) COPPER 8-HYDROXYQUINOLATE (10380-28-6) ES-TWA: 1 mg/m3 (as Copper)
---------------------------	--

PPE	Wear splash-proof goggles and rubber or PVC gloves. Where an inhalation risk exists, wear a Type A (Organic vapour) Respirator. When using large quantities or where heavy contamination is likely, wear coveralls.
------------	---



9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	CLEAR PALE GREEN LIQUID	Solubility (water)	SOLUBLE
Odour	MILD SWEET ODOUR	Specific Gravity	1.07
pH	1.7	% Volatiles	NOT AVAILABLE
Vapour Pressure	NOT AVAILABLE	Flammability	CLASS C1 COMBUSTIBLE
Vapour Density	NOT AVAILABLE	Flash Point	74°C (cc)
Melting Point	NOT AVAILABLE	Upper Explosion Limit	NOT AVAILABLE
Boiling Point	> 200°C	Lower Explosion Limit	NOT AVAILABLE
Evaporation Rate	NOT AVAILABLE	Autoignition Temperature	NOT AVAILABLE

PRODUCT NAME **OSMOSE HYLITE 80 ANTI-SAPSTAIN**

10. STABILITY AND REACTIVITY

Reactivity	Incompatible with oxidising agents (eg. hypochlorites, peroxides), acids (eg. sulphuric acid), alkalis (eg. hydroxides), heat and ignition sources.
Decomposition Products	May evolve toxic gases (carbon/ nitrogen oxides, hydrocarbons) when heated to decomposition.

11. TOXICOLOGICAL INFORMATION

Health Hazard Summary	Low to moderate toxicity - Irritant. This product has the potential to cause eye and skin irritation and headaches with over exposure. Experimental reproductive effects have been reported.
Eye	Irritant. Contact may result in lacrimation, irritation, pain, redness and conjunctivitis. Prolonged contact - corneal burns and possible permanent damage.
Inhalation	Irritant. Over exposure may cause respiratory tract irritation and headache. High levels may cause pulmonary oedema.
Skin	Irritant. May cause redness, itching and dermatitis. May increase absorption through the skin of other chemicals.
Ingestion	Low to moderate toxicity. Ingestion may result in nausea, vomiting, gastrointestinal irritation and diarrhoea.
Toxicity Data	1-METHYL-2-PYRROLIDINONE (872-50-4) LD50 (Ingestion): 3914 mg/kg (rat) LD50 (Skin): 8000 mg/kg (rabbit) CARBENDAZIM (10605-21-7) LD50 (Ingestion): 2500 mg/kg (dog) LD50 (Skin): 2000 mg/kg (rat) COPPER 8-HYDROXYQUINOLATE (10380-28-6) LC50 (Inhalation): 820 mg/m3 (rat) LD50 (Ingestion): 3940 mg/kg (mouse) LD50 (Skin): > 2 gm/kg (rabbit) DODECYLBENZENE SULPHONIC ACID (27176-87-0) LD50 (Ingestion): 650 mg/kg (rat) POLYETHYLENE GLYCOL MONO(NONYLPHENOL) ETHER (9016-45-9) LD50 (Ingestion): 1310 mg/kg (rat) LD50 (Skin): 2000 mL/kg (rabbit)

12. ECOLOGICAL INFORMATION

Environment	Limited ecotoxicity data was available for this product at the time this report was prepared. Ensure appropriate measures are taken to prevent this product from entering the environment.
--------------------	--

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. Prevent contamination of drains and waterways as aquatic life may be threatened and environmental damage may result.
Legislation	Dispose of in accordance with relevant local legislation.

14. TRANSPORT INFORMATION

CLASSIFIED AS A DANGEROUS GOOD BY THE CRITERIA OF THE ADG CODE



Shipping Name	ALKYLSULFONIC ACIDS, LIQUID or ARYLSULFONIC ACIDS, LIQUID with not more than 5 % free sulfuric acid				
UN No.	2586	DG Class	8	Subsidiary Risk(s)	None Allocated
Pkg Group	III	Hazchem Code	2X	EPG	8A1

IATA

Shipping Name	ALKYLSULFONIC ACIDS, LIQUID or ARYLSULFONIC ACIDS, LIQUID with not more than 5 % free sulfuric acid				
UN No.	2586	DG Class	8	Subsidiary Risk(s)	None Allocated
Pkg Group	III				

PRODUCT NAME OSMOSE HYLITE 80 ANTI-SAPSTAIN**IMDG****Shipping Name** ALKYL SULFONIC ACIDS, LIQUID or ARYL SULFONIC ACIDS, LIQUID with not more than 5 % free sulfuric acid**UN No.** 2586**DG Class** 8**Subsidiary Risk(s)** None Allocated**Pkg Group** III**15. REGULATORY INFORMATION****Poison Schedule** Classified as a Schedule 6 (S6) Poison 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** WORK PRACTICES - SOLVENTS: Organic solvents may present both a health and flammability hazard. It is recommended that engineering controls should be adopted to reduce exposure where practicable (for example, if using indoors, ensure explosion proof extraction ventilation is available). Flammable or combustible liquids with explosive limits have the potential for ignition from static discharge. Refer to AS 1020 (The control of undesirable static electricity) and AS 1940 (The storage and handling of flammable and combustible liquids) for control procedures.**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/m³ - 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.

Prepared ByRisk 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

PRODUCT NAME **OSMOSE HYLITE 80 ANTI-SAPSTAIN**

MSDS Date: 23 March 2006

End of Report