

**Product Name**      **OSMOSE CUTROL 375**

### 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

**Supplier Name**      **OSMOSE (AUSTRALIA) PTY LTD**  
**Address**              Cafpirco 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)**          375 CUTROL • OSMOSE CUTROL 375  
**Use(s)**                  TIMBER PRESERVATIVE  
**SDS Date**              04 Mar 2010

### 2. HAZARDS IDENTIFICATION

**CLASSIFIED AS HAZARDOUS ACCORDING TO ASCC CRITERIA**

**RISK PHRASES**

R20/22                  Harmful by inhalation and if swallowed.  
R34                        Causes burns.  
R41                        Risk of serious damage to eyes.  
R42                        May cause sensitisation by inhalation.  
R48                        Danger of serious damage to health by prolonged exposure.

**SAFETY PHRASES**

S2                         Keep out of reach of children.  
S20/21                    When using, do not eat, drink or smoke.  
S23                        Do not breathe gas/fumes/vapour/spray (where applicable).  
S36/37/39                Wear suitable protective clothing, gloves and eye/face protection.  
S38                        In case of insufficient ventilation, wear suitable respiratory equipment.  
S51                        Use only in well ventilated areas.  
S53                        Avoid exposure - obtain special instructions before use.

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

<b>UN No.</b>	2586	<b>DG Class</b>	8	<b>Subsidiary Risk(s)</b>	None Allocated
<b>Packing Group</b>	III	<b>Hazchem Code</b>	2X	<b>EPG</b>	8A1

### 3. COMPOSITION/ INFORMATION ON INGREDIENTS

Ingredient	Formula	CAS No.	Content
ETHYLENE GLYCOL	C2-H6-O2	107-21-1	10-30%
COPPER 8-HYDROXYQUINOLATE	Not Available	10380-28-6	2-5%
PHOSPHORIC ACID	H3-P-O4	7664-38-2	<1%
ARYL SULPHONIC ACID	Not Available	Not Available	20-40%

### 3. COMPOSITION/ INFORMATION ON INGREDIENTS

Ingredient	Formula	CAS No.	Content
WATER	H2O	7732-18-5	remainder

### 4. FIRST AID MEASURES

<b>Eye</b>	If in eyes, hold eyelids apart and flush the eye continuously with running water. Continue flushing until advised to stop by the Poisons Information Centre or a doctor, or for at least 15 minutes.
<b>Inhalation</b>	If inhaled, remove from contaminated area. To protect rescuer, use a Type A (Organic vapour) respirator or an Air-line respirator (in poorly ventilated areas). Apply artificial respiration if not breathing.
<b>Skin</b>	If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. Continue flushing with water until advised to stop by the Poisons Information Centre or a doctor.
<b>Ingestion</b>	For advice, contact a Poisons Information Centre on 13 11 26 (Australia Wide) or a doctor (at once). If swallowed, do not induce vomiting.
<b>Advice to Doctor</b>	Treat symptomatically
<b>First Aid Facilities</b>	Eye wash facilities and safety shower should be available.

### 5. FIRE FIGHTING MEASURES

<b>Flammability</b>	Non flammable. May evolve flammable hydrogen gas in contact with some metals. May evolve carbon oxides, nitrogen oxides and sulphur dioxide when heated to decomposition.
<b>Fire and Explosion</b>	Treat as per requirements for Surrounding Fires: 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.
<b>Extinguishing</b>	Prevent contamination of drains or waterways.
<b>Hazchem Code</b>	2X

### 6. ACCIDENTAL RELEASE MEASURES

<b>Spillage</b>	Contact emergency services where appropriate. Use personal protective equipment. Clear area of all unprotected personnel. Ventilate area where possible. Contain spillage, then cover / absorb spill with non-combustible absorbant material (vermiculite, sand, or similar), collect and place in suitable containers for disposal. Eliminate all ignition sources.
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### 7. STORAGE AND HANDLING

<b>Storage</b>	Store in a cool, dry, well ventilated area, removed from oxidising agents, alkalis, active metals and foodstuffs. Ensure containers are adequately labelled, protected from physical damage and sealed when not in use. Check regularly for leaks or spills. Large storage areas should have appropriate ventilation systems.
<b>Handling</b>	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 Stds	Ingredient	Reference	TWA		STEL	
			ppm	mg/m3	ppm	mg/m3
	Copper (fume)	ASCC (AUS)	--	0.2	--	--
	Copper, dusts & mists (as Cu)	ASCC (AUS)	--	1	--	--
	Ethylene glycol (vapour)	ASCC (AUS)	20	52	40	104
	Phosphoric acid	ASCC (AUS)	--	1	--	3

**Biological Limits** No biological limit allocated.

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**Engineering Controls** Avoid inhalation. Use in well ventilated areas. Where an inhalation risk exists, mechanical extraction ventilation is recommended. In a laboratory situation use under a fume cupboard or other localised extraction ventilation equipment. Maintain vapour levels below the recommended exposure standard.

**PPE** Wear splash-proof goggles, nitrile or rubber gloves and coveralls. When using large quantities or where heavy contamination is likely, wear: a PVC apron and rubber boots. Where an inhalation risk exists, wear: a Type A (Organic vapour) respirator. With prolonged use, wear: an Air-line respirator.



## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	CLEAR GREEN LIQUID	<b>Solubility (Water)</b>	SOLUBLE
<b>Odour</b>	SLIGHT ODOUR	<b>Specific Gravity</b>	1.06
<b>pH</b>	2.0 (Approximately)	<b>% Volatiles</b>	NOT AVAILABLE
<b>Vapour Pressure</b>	NOT AVAILABLE	<b>Flammability</b>	NON FLAMMABLE
<b>Vapour Density</b>	NOT AVAILABLE	<b>Flash Point</b>	NOT RELEVANT
<b>Boiling Point</b>	100°C	<b>Upper Explosion Limit</b>	NOT RELEVANT
<b>Melting Point</b>	< 0°C	<b>Lower Explosion Limit</b>	NOT RELEVANT
<b>Evaporation Rate</b>	NOT AVAILABLE		

## 10. STABILITY AND REACTIVITY

<b>Chemical Stability</b>	Stable under recommended conditions of storage.
<b>Conditions to Avoid</b>	Avoid heat, sparks, open flames and other ignition sources.
<b>Material to Avoid</b>	Incompatible with oxidising agents (eg. hypochlorites), alkalis (eg. hydroxides) and metals.
<b>Decomposition</b>	May evolve carbon oxides, nitrogen oxides and sulphur dioxide when heated to decomposition.
<b>Hazardous Reactions</b>	Polymerization will not occur.

## 11. TOXICOLOGICAL INFORMATION

<b>Health Hazard Summary</b>	Corrosive. This product has the potential to cause adverse health effects. Use safe work practices to avoid eye or skin contact and inhalation. Over exposure may result in skin, eye and respiratory burns. Upon dilution, the potential for adverse health effects may be reduced.
<b>Eye</b>	Corrosive - irritant. Contact may result in irritation, lacrimation, pain, redness, corneal burns and possible permanent damage.
<b>Inhalation</b>	Corrosive. Over exposure may result in mucous membrane irritation of the respiratory tract, coughing and bronchitis. High level exposure may result in ulceration of the respiratory tract, lung tissue damage, chemical pneumonitis and pulmonary oedema. However, due to the low vapour pressure of this product, an inhalation hazard is not anticipated under normal conditions of use. Potential sensitiser.
<b>Skin</b>	Corrosive. Contact may result in irritation, redness, pain, rash, dermatitis and possible burns. Effects may be delayed.
<b>Ingestion</b>	Corrosive. Ingestion may result in ulceration and burns to the mouth and throat, nausea, vomiting, abdominal pain and diarrhoea.
<b>Toxicity Data</b>	ETHYLENE GLYCOL (107-21-1) LC50 (Inhalation): 10 876 mg/kg (rat) LD50 (Ingestion): 1650 mg/kg (cat) LD50 (Skin): 9530 ug/kg (rabbit) LDLo (Ingestion): 398 mg/kg (human) TCLo (Inhalation): 10,000 mg/m3 (human - cough) TDLo (Ingestion): 5500 mg/kg (child - anaesthesia) COPPER 8-HYDROXYQUINOLATE (10380-28-6) LC50 (Inhalation): 820 mg/m3 (rat) LD50 (Ingestion): 3940 mg/kg (mouse) LD50 (Skin): > 2 gm/kg (rabbit) PHOSPHORIC ACID (7664-38-2) LD50 (Ingestion): 1530 mg/kg (rat)

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LD50 (Skin): 2740 mg/kg (rabbit)

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**12. ECOLOGICAL INFORMATION**

**Environment** Very ecotoxic to aquatic organisms and may cause long- term adverse effects in the aquatic environment. CUTROL 375 is harmful to terrestrial vertebrates.

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**13. DISPOSAL CONSIDERATIONS**

**Waste Disposal** A deactivating solution may be available from the manufacturer. Alternatively, neutralise with lime, weak alkali or similar. For small amounts absorb with sand or similar and dispose of to an approved landfill site. Contact the manufacturer for additional information.

**Legislation** Dispose of in accordance with relevant local legislation.

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**14. TRANSPORT INFORMATION**



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

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

**IATA**

<b>Shipping Name</b>	ALKYLSULFONIC ACIDS, LIQUID or ARYLSULFONIC ACIDS, LIQUID with not more than 5 % free sulfuric acid			
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**IMDG**

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

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**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).

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**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.

ACIDS: When mixing acids with water (diluting), caution must be taken as heat will be generated which causes violent spattering. Always add a small volume of acid to a large volume of water, NEVER the reverse.

**ABBREVIATIONS:**

ADB - Air-Dry Basis.

BEI - Biological Exposure Indice(s)

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

CNS - Central Nervous System.

EINECS - European Inventory of Existing Commercial chemical Substances.

IARC - International Agency for Research on Cancer.

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M - moles per litre, a unit of concentration.

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

NOS - Not Otherwise Specified.

NTP - National Toxicology Program.

OSHA - Occupational Safety and Health Administration.

pH - relates to hydrogen ion concentration using a scale of 0 (high acidic) to 14 (highly alkaline).

ppm - Parts Per Million.

RTECS - Registry of Toxic Effects of Chemical Substances.

TWA/ES - Time Weighted Average or Exposure Standard.

**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.

**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.

**Report Status**

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

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 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 Report**