

## 1.0 Introduction

**Statement of Hazardous Nature:** Hazardous according to the criteria of NZS 5433:1999. Triggers the HSNO Act 1996 thresholds for acute toxicity (6.1D), contact sensitiser (6.5A), target organ systemic effects (6.9A), corrosivity (to metals 8.1A, dermal 8.2B and ocular 8.3A), aquatic toxicity (9.1A) and harmful to terrestrial vertebrates (9.3C).

### **Company Details:**

**Company:** Osmose New Zealand  
**Street Address:** 14 Mayo Road, Wiri, Auckland, New Zealand  
**Postal Address:** PO Box 88-048, Clendon Town, Auckland, New Zealand  
**Telephone No:** (09) 277-7770  
**Emergency Telephone No:** 0800 200 162

## 2.0 Product Identification

**Product Name:** Cutrol 375  
**Other Names:** Cutrol  
**UN Number:** 2586  
**Dangerous Goods Class:** 8  
**Hazchem Code:** 2X  
**Subsidiary Risk:** Not applicable  
**Toxic Substances Schedule:** Ethylene Glycol is 3<sup>rd</sup> Schedule poison  
**NFPA:** (Health: 3) - (Flammability: 0) - (Reactivity: 1)  
**Packaging Group:** III  
**IMDG:** Page 8105 (amendment 27-94)  
**Manufacturer:** Osmose New Zealand  
**Use:** Antisapstain treatment for freshly sawn timber or logs being seasoned.

**Physical Description/Properties:**

<b>Appearance:</b>	Clear green liquid.
<b>Form:</b>	Liquid
<b>Boiling Point:</b>	100°C
<b>Melting Point:</b>	< 0°C
<b>Vapour pressure:</b>	Not available
<b>Vapour density:</b>	Not available
<b>Volatile Component:</b>	Not applicable
<b>Specific gravity:</b>	1.06 g/mL
<b>Flash Point:</b>	Not applicable
<b>Autoignition Temp:</b>	Not applicable
<b>Solubility in water:</b>	Miscible
<b>pH:</b>	~ 2.0

**Ingredients:**

<u>Chemical Entity</u>	<u>CAS. no.</u>	<u>Proportion</u>
Copper 8 hydroxyquinolate	10380-28-6	2-5 %w/v
Aryl Sulphonic Acid	Proprietary	20-40 %w/v
1, 2 Ethanediol (Ethylene Glycol)	107-21-1	10-30 %w/v
Phosphoric acid	7664-38-2	<1 %w/v
Water		Balance

### 3.0 Health Hazard Information

**Acute Effects:**

<b>Swallowed:</b>	Causes gastrointestinal irritation, nausea, vomiting, and diarrhoea.
<b>Eye:</b>	Corrosive. Causes irreversible damage.
<b>Skin:</b>	Corrosive. Causes skin burns on repeated or prolonged contact.
<b>Inhaled:</b>	Respiratory sensitiser. Causes drowsiness, nausea and vomiting.

**Chronic Effects:**

Increased risk with Wilson's Disease. Toxicity caused by accumulation of copper in sensitive individuals.

**First Aid:**

- Swallowed:** Never give anything by mouth to an unconscious person. Give water or milk to drink.  
DO NOT induce vomiting. Seek medical assistance immediately. For advice contact the National Poisons Centre (0800 764 766) or a doctor immediately.
- Eye:** Immediately irrigate with copious amounts of water for a minimum of 15 minutes with eyelids held open. Seek medical assistance immediately.
- Skin:** Immediately flush body and clothes with large amounts of water. Remove contaminated clothing and footwear. Wash affected areas with soap and water for 15 minutes. Seek medical assistance if a large area is involved or if irritation persists.
- Inhaled:** Remove victim to fresh air. Lay patient down and keep warm and rested. If breathing shallow or has stopped ensure airway is clear and apply resuscitation. Seek medical assistance.

**First Aid Facilities:**

Ensure an eyewash and safety showers are available and ready for use.

**Advice to Doctor:**

Give fluids. DO NOT induce emesis. No data on treatment, however chelation treatment would seem appropriate. Give calcium EDTA orally and IV 2% solution in 5% dextrose 25mg/kg over a one to two hour period twice a day. The maximum dose should not exceed 50mg/kg/day. The drug should be given in 5 day courses with a rest period of at least two days between courses. Daily urine analyses should be done during the treatment period. The dosage should be reduced if any unusual urinary findings appear. Watch for anuria and/or liver damage.

## 4.0 Precautions For Use

### **Exposure Standards:**

#### **Workplace exposure standards:**

None established for Cutrol or copper oxine

Copper dust and mist as Cu

Ethylene glycol

**TWA**

1mg/m<sup>3</sup>

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**WES-C:**

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50ppm (127mg/m<sup>3</sup>)

### **Engineering Controls:**

Ensure good ventilation. Local mechanical ventilation may be required.

### **Personal Protection:**

Avoid all skin and eye contact. Wear PVC or nitrile gloves, safety goggles or face mask, PVC, nitrile or rubber apron, boots when handling.

An approved air supplied respirator should be worn during spraying applications.

### **Flammability:**

Non flammable.

### **Environment:**

Dispose of empty container safely. Triple rinse container and add residue to storage tank. Crush or bury container in suitable landfill. Avoid contamination of any water supply with chemical or empty container.

## 5.0 Safe Handling Information

### **Storage and Transport:**

<b>Road Transport:</b>	Aryl sulphonic acid UN2586 Hazchem 2X DG Class 8 Packaging Group III
<b>Sea Transport:</b>	IMDG page 8105 (amendment 27-94)
<b>Location:</b>	Store in a dry area
<b>Bunding:</b>	Store in a banded area
<b>Security:</b>	Should be stored in a secure and safe area
<b>Ventilation:</b>	Good ventilation is adequate
<b>Temperature conditions:</b>	Store away from direct heat sources. Under extreme heat may decompose emitting toxic fumes.
<b>Protection from weather:</b>	Keep away from direct sunlight and from rain.
<b>Storage:</b>	Store in a dry place away from foodstuffs. Avoid contact with strong oxidising agents.
<b>Dangerous Goods</b>	
<b>Class/Subsidiary Risk:</b>	DG Class 8. No subsidiary risk

### **Spills and Disposal:**

Wear gloves and breathing apparatus.

Contain spill by absorbing with sand, earth or other absorbent material.

Prevent from entering drains, waterways and sewers.

If spill may enter waterways contact emergency services and regional authority.

Neutralise small spills with lime, sodium carbonate or sodium bicarbonate. Absorb with sand, earth or other absorbent material and collect for disposal.

Dispose of by liaising with a waste disposal company or by dumping at a site approved by local authorities.

### **Reactivity Data:**

Stable under most conditions.

Can react with oxidising materials and alkalis.

Avoid contact with metallic iron and zinc.

This product is not suitable for transport or storage in metal containers.

**Fire/Explosion Hazard:**

Non flammable.

Emits toxic fumes of oxides of carbon, nitrogen and sulphur when heated to decomposition.

Full protective clothing required including self-contained breathing apparatus.

No skin surface should be exposed.

## 6.0 Additional Information

**Toxicity Data:**

Copper 8 hydroxyquinolate: Oral-mouse LD<sub>50</sub>: 10000mg/kg

Ethylene Glycol: Oral-rat LD<sub>50</sub>: 4700mg/kg

**Environment:**

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

**CONTACT POINTS:**

**OSMOSE HEAD OFFICE NORMAL HOURS: (09) 277-7770**

**OSMOSE 24 HOUR EMERGENCY NUMBER: 0800 200 162**

**IN AN EMERGENCY, DIAL 111 - FIRE OR POLICE**

**24 hr Emergency No: National Poisons Centre Phone: 0800 764 766**