



## SAFETY DATA SHEET

Product Name **CUTROL 375 ANTISAPSTAIN**

### 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

**Supplier name** KOPPERS PERFORMANCE CHEMICALS AUSTRALIA PTY LTD  
**Address** Cafpirco Road, Mount Gambier, SA, 5290, AUSTRALIA  
**Telephone** (08) 8723 1399  
**Fax** (08) 8723 0010  
**Emergency** 1800 088 809  
**Email** [kpc.admin@koppers.com.au](mailto:kpc.admin@koppers.com.au)  
**Web site** [www.kopperspc.com.au](http://www.kopperspc.com.au)  
**Synonym(s)** 375 CUTROL  
**Use(s)** TIMBER PRESERVATIVE  
**SDS date** 12 December 2014

### 2. HAZARDS IDENTIFICATION

CLASSIFIED AS HAZARDOUS ACCORDING TO SAFE WORK AUSTRALIA CRITERIA

**Risk Phrases**

R20/22 Harmful by inhalation and if swallowed.  
R34 Causes burns.  
R41 Risk of serious damage to eyes.

**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

**UN Number** 2586 **Transport Hazard Class** 8  
**Packing Group** III **Hazchem Code** 2X

### 3. COMPOSITION/ INFORMATION ON INGREDIENTS

Ingredient	CAS Number	EC Number	Content
ETHYLENE GLYCOL	107-21-1	203-473-3	10 to 30%
COPPER 8-HYDROXYQUINOLATE	10380-28-6	233-841-9	2 to 5%
PHOSPHORIC ACID	7664-38-2	231-633-2	<1%
ARYL SULPHONIC ACID	-	-	20 to 40%
WATER	7732-18-5	231-791-2	Remainder

### 4. FIRST AID MEASURES

Product Name **CUTROL 375 ANTISAPSTAIN**

**Eye** If in eyes, hold eyelids apart and flush continuously with running water. Continue flushing until advised to stop by a Poisons Information Centre, a doctor, or for at least 15 minutes.

**Inhalation** 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.

**Skin** 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 a Poisons Information Centre or a doctor.

**Ingestion** For advice, contact a Poison Information Centre on 13 11 26 (Australia Wide) or a doctor (at once). If swallowed, do not induce vomiting.

**Advice to doctor** Treat symptomatically.

**First aid facilities** Eye wash facilities and safety shower should be available.

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## 5. FIRE FIGHTING MEASURES

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**Flammability** Non flammable. May evolve toxic gases (carbon oxides, hydrocarbons) when heated to decomposition. May evolve flammable hydrogen gas in contact with some metals. May evolve carbon oxides, nitrogen oxides and sulphur dioxide when heated to decomposition.

**Fire and explosion** 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.

**Extinguishing** Use an extinguishing agent suitable for the surrounding fire.

**Hazchem code** 2X  
2 Fine Water Spray.  
X Wear liquid-tight chemical protective clothing and breathing apparatus. Contain spill and run-off.

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## 6. ACCIDENTAL RELEASE MEASURES

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**Personal precautions** Wear Personal Protective Equipment (PPE) as detailed in section 8 of the SDS. Clear area of all unprotected personnel. Ventilate area where possible. Contact emergency services where appropriate.

**Environmental precautions** Prevent product from entering drains and waterways.

**Methods of cleaning up** Contain spillage, then cover / absorb spill with non-combustible absorbent material (vermiculite, sand, or similar), collect and place in suitable containers for disposal. Eliminate all sources of ignition.

**References** See Sections 8 and 13 for exposure controls and disposal.

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## 7. STORAGE AND HANDLING

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**Storage** Store in a cool, dry, well ventilated area, removed from incompatible substances 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.

**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****Exposure standards**

Ingredient	Reference	TWA		STEL	
		ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
Copper (fume)	SWA (AUS)	--	0.2	--	--
Copper, dusts & mists (as Cu)	SWA (AUS)	--	1	--	--
Ethylene glycol (particulate)	SWA (AUS)	--	10	--	--
Ethylene glycol (vapour)	SWA (AUS)	20	52	40	104
Phosphoric acid	SWA (AUS)	--	1	--	3

**Biological limits** No biological limit allocated.

**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**

**Eye / Face** Wear splash-proof goggles.

**Hands** Wear rubber or nitrile gloves.

**Body** Wear coveralls. When using large quantities or where heavy contamination is likely, wear rubber boots and a PVC apron.

**Respiratory** 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**

**Appearance** CLEAR GREEN LIQUID

**Odour** SLIGHT ODOUR

**Flammability** NON FLAMMABLE

**Flash point** NOT RELEVANT

**Boiling point** 100°C

**Melting point** < 0°C

**Evaporation rate** NOT AVAILABLE

**pH** 2.0 (Approximately)

**Vapour density** NOT AVAILABLE

**Specific gravity** 1.06

**Solubility (water)** SOLUBLE

**Vapour pressure** NOT AVAILABLE

**Upper explosion limit** NOT RELEVANT

**Lower explosion limit** NOT RELEVANT

**Partition coefficient** NOT AVAILABLE

**Autoignition temperature** NOT AVAILABLE

**Decomposition temperature** NOT AVAILABLE

**Viscosity** NOT AVAILABLE

**Explosive properties** NOT AVAILABLE

**Oxidising properties** NOT AVAILABLE

**Odour threshold** NOT AVAILABLE

**% Volatiles** NOT AVAILABLE

**10. STABILITY AND REACTIVITY**

**Chemical stability** Stable under recommended conditions of storage.

**Conditions to avoid** Avoid heat, sparks, open flames and other ignition sources.

**Material to avoid** Incompatible with oxidising agents (e.g. hypochlorites), alkalis (e.g. sodium hydroxide) and metals.

Product Name **CUTROL 375 ANTISAPSTAIN**

**Hazardous Decomposition Products** May evolve carbon oxides and hydrocarbons when heated to decomposition.

**Hazardous Reactions** Polymerization will not occur.

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## 11. TOXICOLOGICAL INFORMATION

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<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. 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.																						
<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>	<p>ETHYLENE GLYCOL (107-21-1)</p> <table><tr><td>LC50 (inhalation)</td><td>10,876 mg/kg (rat)</td></tr><tr><td>LD50 (ingestion)</td><td>1670 mg/kg (cat)</td></tr><tr><td>LD50 (skin)</td><td>9,530 ug/kg (rabbit)</td></tr><tr><td>LDLo (ingestion)</td><td>398 mg/kg (human)</td></tr><tr><td>TCLo (inhalation)</td><td>10,000 mg/m<sup>3</sup> (human - cough)</td></tr><tr><td>TDL0 (ingestion)</td><td>5,500 mg/kg (child - anaesthesia)</td></tr></table> <p>COPPER 8-HYDROXYQUINOLATE (10380-28-6)</p> <table><tr><td>LC50 (inhalation)</td><td>820 mg/m<sup>3</sup> (rat)</td></tr><tr><td>LD50 (ingestion)</td><td>3940 mg/kg (mouse)</td></tr><tr><td>LD50 (skin)</td><td>&gt; 2 gm/kg (rabbit)</td></tr></table> <p>PHOSPHORIC ACID (7664-38-2)</p> <table><tr><td>LD50 (ingestion)</td><td>1530 mg/kg (rat)</td></tr><tr><td>LD50 (skin)</td><td>2740 mg/kg (rabbit)</td></tr></table>	LC50 (inhalation)	10,876 mg/kg (rat)	LD50 (ingestion)	1670 mg/kg (cat)	LD50 (skin)	9,530 ug/kg (rabbit)	LDLo (ingestion)	398 mg/kg (human)	TCLo (inhalation)	10,000 mg/m <sup>3</sup> (human - cough)	TDL0 (ingestion)	5,500 mg/kg (child - anaesthesia)	LC50 (inhalation)	820 mg/m <sup>3</sup> (rat)	LD50 (ingestion)	3940 mg/kg (mouse)	LD50 (skin)	> 2 gm/kg (rabbit)	LD50 (ingestion)	1530 mg/kg (rat)	LD50 (skin)	2740 mg/kg (rabbit)
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## 12. ECOLOGICAL INFORMATION

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<b>Toxicity</b>	No information provided.
<b>Persistence and degradability</b>	No information provided.
<b>Bioaccumulative potential</b>	No information provided.
<b>Mobility in soil</b>	No information provided.
<b>Other adverse effects</b>	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

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<b>Waste disposal</b>	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/supplier for additional information (if required).
<b>Legislation</b>	Dispose of in accordance with relevant local legislation.

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## 14. TRANSPORT INFORMATION

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



	LAND TRANSPORT (ADG)	SEA TRANSPORT (IMDG / IMO)	AIR TRANSPORT (IATA / ICAO)
UN Number	2586	2586	2586
Proper Shipping Name	ALKYLSULFONIC ACIDS, LIQUID or ARYLSULFONIC ACIDS, LIQUID with not more than 5% free sulfuric acid	ALKYLSULFONIC ACIDS, LIQUID or ARYLSULFONIC ACIDS, LIQUID with not more than 5% free sulfuric acid	ALKYLSULFONIC ACIDS, LIQUID or ARYLSULFONIC ACIDS, LIQUID with not more than 5% free sulfuric acid
Transport Hazard Class	8	8	8
Packing Group	III	III	III

Environmental hazards No information provided

**Special precautions for user**

Hazchem code 2X  
 GTEPG 8A1  
 EMS F-A, S-B

## 15. REGULATORY INFORMATION

Poison schedule Classified as a Schedule 5 (S5) Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).  
 Inventory Listing(s) **AUSTRALIA: AICS (Australian Inventory of Chemical Substances)**  
 All components are listed on AICS, or are exempt.

## 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.

**PERSONAL PROTECTIVE EQUIPMENT GUIDELINES:**

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

**Product Name**      **CUTROL 375 ANTISAPSTAIN**

<b>Abbreviations</b>	ACGIH	American Conference of Governmental Industrial Hygienists
	CAS #	Chemical Abstract Service number - used to uniquely identify chemical compounds
	CNS	Central Nervous System
	EC No.	EC No - European Community Number
	GHS	Globally Harmonized System
	IARC	International Agency for Research on Cancer
	LC50	Lethal Concentration, 50% / Median Lethal Concentration
	LD50	Lethal Dose, 50% / Median Lethal Dose
	mg/m <sup>3</sup>	Milligrams per Cubic Metre
	OEL	Occupational Exposure Limit
	pH	relates to hydrogen ion concentration using a scale of 0 (high acidic) to 14 (highly alkaline).
	ppm	Parts Per Million
	STEL	Short-Term Exposure Limit
	STOT-RE	Specific target organ toxicity (repeated exposure)
	STOT-SE	Specific target organ toxicity (single exposure)
	SUSMP	Standard for the Uniform Scheduling of Medicines and Poisons
	SWA	Safe Work Australia
	TLV	Threshold Limit Value
	TWA	Time Weighted Average

**Revision history**

Revision	Description
3.1	Standard SDS Review
3.0	Standard SDS Review
2.0	Standard SDS Review.
1.0	Initial SDS creation

**Report status**

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

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

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.

**Prepared by**

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**SDS Date: 12 December 2014**

**End of SDS**