



PRICE CHEMICALS PTY LIMITED

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MATERIAL SAFETY DATA SHEET

Hazardous according to criteria of Worksafe Australia

Date of Issue : 29th December 2007

1. IDENTIFICATION

General

Product Name : PUREX ALGAE CONTROL

Other Names :

UN No. : N/A

Dangerous Goods Class : N/A

Subsidiary Risk : N/A

Hazchem Code : N/A

Pack Group : N/A

EPG : N/A

Poisons Schedule : N/A

Uses :

No information available.

1.1 Physical Description / Properties

Appearance : Clear colourless liquid with a faint alcohol odour.

Formula : Copper, Benzalkonium blend.

Boiling Point : >95 deg C

Melting Point : N/A deg C

Vapour Pressure : 5 mm Hg (1 atmosphere)

Specific Gravity : 1.0 (water = 1)

Flash Point : Test Unknown 40

pH : 7.0-7.5 (1% w/w soln.)

Solubility in water : Sol. g/l (25 deg C)

Flammability Limits (as percentage volume in air)

Lower Explosion Limit : N/A

Upper Explosion Limit : N/A

1.2 Other Properties

Boiling point: 95 - 100 deg C. Vapour pressure: approx. 5 kPa @ 20 deg C. Specific gravity: approx. 1.0 @ 20 deg C. Flash point: 40 deg C (PMCC) - exhibits momentary flash point at 40 deg C (PMCC) but does not ignite and boils combustible. Volatile component (ethanol): 9.6 % by vol. Vapour density (air=1) 1.59. Evaporation rate (butyl acetate = 1): 2.53.

1.3 Ingredients

Chemical Entity	CAS No.	Proportions (%)
C12-C16 ALKYL DIMETHYL BENZYL AMMONIUM CHLORIDE	[68624-85-1]	10
WATER	[7732-18-5]	88.4
ETHANOL (SMS)	[64-17-5]	1.56
METHANOL	[67-56-1]	.04

2. HEALTH HAZARD INFORMATION

2.1 Health Effects - Mild

Swallowed

Irritant – may cause nausea and vomiting. May cause tissue damage to mouth and gullet. Ingestion of concentrated product or strong solutions could be harmful.

Eye

Irritant. May cause discomfort and mild impairment of vision.

Skin

Irritant. May be severe with sensitive individuals or after repeated contact. Prolonged or repeated exposure may lead to dermatitis.

Inhaled

Not considered an inhalation hazard. Aspiration (breathing in) of liquid spray or mist liable to cause severe irritation and damage to respiratory tract. Inhalation of ethanol vapours in confined spaces may cause irritation of throat and respiratory passages.

2.2 Health Effects - Chronic

Repeated or prolonged contact may cause allergic contact dermatitis.

2.3 First Aid

Swallowed

Rinse mouth. DO NOT induce vomiting. Give milk, gelatine solution or egg white if available and transport to hospital immediately. If vomiting occurs give more milk. NEVER give anything by mouth to an unconscious person. Place in coma position and maintain respiration.

Eye

Hold eyes open and flush with water for at least 15 minutes. Seek medical attention promptly.

Skin

Remove contaminated clothing including shoes, and wash contact areas with plenty of soap and water. If pain or redness persist seek medical attention.

Inhaled

If aspiration (breathing in) of liquid has occurred or is suspected, transport to hospital immediately. If breathing stops, give artificial respiration.

First Aid Facilities

Ensure an eye bath and safety shower are available and ready for use.

2.5 Advice to Doctor

Emesis or lavage is not recommended if it is believed the concentrated product has been swallowed. Treat patient systematically based on individual reactions of patient and judgement of doctor.

2.6 Toxicity Data

No information available.

3. PRECAUTIONS FOR USE

3.1 Exposure Standards

N/A

3.2 Engineering Controls

Avoid accumulation of ethanol vapour in workspace. Good ventilation necessary, but take precautions against possible flash of vapour in exhaust duct, eg. use flame and explosion proof electrical fittings.

3.3 Personal Protection

Use rubber or PVC gloves, apron, overalls, boots. Respiratory protection is not normally required. When airborne exposure limits and/or comfort levels may be exceeded use a SA approved respirator consistent with the airborne concentrations. When using organic chemical cartridges ensure that the cartridges are correct for the potential air contamination and are in good working order. Wash thoroughly after handling. Do not eat, drink or smoke whilst handling the product. Avoid unnecessary exposure. Rinse and launder contaminated clothing before reuse. Footwear contaminated internally should be discarded.

3.4 Flammability

The product is not combustible. Flash point: 400 deg C - exhibits momentary flash at approx 400 deg C, but does not ignite. Boils between 100 - 105 deg C without ignition.

SAFE HANDLING INFORMATION

4.1 Storage / Transport

Store in ambient shade temperature. If outside storage cannot be avoided, place in dry location, protected from hot sun and freezing conditions. Exterior bulk storage tanks should be protected against excessive moisture loss. Static storage is only recommended, but circulation facilities should be provided to ensure uniformity prior to pumping in or out of tanks. A nitrogen blanket will help minimise colour change during long term storage.

4.2 Packaging / Labelling

N/A

Shipping Name : Algae Control

Risk Phrases

R22 Harmful if swallowed.

R43 May cause sensitisation by skin contact.

Safety Phrases

S24/25 Avoid contact with skin and eyes.

S36/39 Wear suitable protective clothing and eye/face protection.

S13 Keep away from food, drink and animal foodstuffs.

S20 When using, do not eat or drink.

4.3 Spills and Disposal

Spills

Clean-up personnel should wear protective clothing including breathing protection.

Major spills should be contained, absorbed on sand or earth and placed in sealed plastic or epoxy-lined drums for disposal. Minor spills and residue may be hosed down with excess water.

Disposal

Do not dump large quantities into biological treatment ponds. Laboratory data indicates that is quaternary ammonium compounds are discharged steadily at low concentrations

4.4 FIRE AND EXPLOSION HAZARD

Fire / Explosion

If involved in a large fire, remove drums if possible. Alternatively hose drum with water to keep containers cool and avoid pressure and possible release of flammable alcohol vapour. If involved in a large fire, internal pressure may cause rupture of drums and release of alcohol vapour.

Extinguishing Media

Fire fighters should wear full protective clothing including self-contained breathing apparatus. Use water spray, dry chemical, carbon dioxide or alcohol type foam extinguishers.

5 OTHER INFORMATION

Other Information

No other information available.

5.1 Contact Points

Organisation	Location	Telephone	Ask For
Price Chemicals Pty Ltd	Somersby NSW	02-43400088	Technical Officer
Poisons Information Centre	Westmead	131129	
		1800-251525	