

**MATERIAL SAFETY DATA SHEETS**  
**PRODUCT: ALKYL DIMETHYL AMMONIUM CHLORIDE**  
**SOLD AS: PQ Performance 200**

**Date of Issue: 19 July 2003**

**STATEMENT OF HAZARDOUS NATURE**

Classified as hazardous according to criteria of WorkSafe Australia

**COMPANY DETAILS**

**Company:** Premium Quality Pool Products Pty Ltd  
**Address:** 13-15 Nelson Avenue Padstow NSW 2211  
**Telephone:** (02) 9790 8777  
**Facsimile:** (02) 9790 8555

**PRODUCT IDENTIFICATION**

**Other Names:** Quaternary ammonium compound  
**UN Number:** 1760  
**DG Class:** N/A  
**Packing Group:** N/A  
**Hazchem Code:** N/A  
**Poisons Schedule:** 5  
**Use:** Swimming pool algacide

**PHYSICAL DESCRIPTION AND PROPERTIES**

**Appearance:** Light Blue clear liquid  
**Boiling Point:** 100° C  
**Vapour Pressure:** N/A  
**Specific Gravity:** 0.99 (water = 1)  
**Solubility:** Soluble in water  
**Flash Point:** N/A  
**Flammability Limits:** N/A  
**pH:** 6.8

**COMPOSITION**

<u>Chemical Name</u>	<u>CAS No</u>	<u>Proportion</u>
Benzyl Alkyl Dimethyl Ammonium Chloride	8001-54-5	19-21%

## HEALTH HAZARD INFORMATION

No adverse health effects should be anticipated if the product is used in accordance with this MSDS and the product label. If the product is not used properly the following may occur:

### Effects from Acute Exposure

- Swallowed:** Swallowing can result in nausea, vomiting, salivation, restlessness, muscle weakness, abdominal pain, convulsions, chemical burns, CNS depression, loss of consciousness and death.
- Eyes:** Eye irritant. Contamination of the eyes can result in permanent injury. Corrosive to the eyes: contact can cause corneal burns.
- Skin:** Corrosive to the skin. Can cause severe burns.
- Inhaled:** Vapour is irritant to mucous membranes and respiratory tract. Can cause headaches and nausea.

## FIRST AID

- Swallowed:** Immediately rinse mouth with water. If swallowed do not induce vomiting. Give water or milk then raw egg. Seek immediate medical assistance.
- Eye:** Immediately irrigate with copious quantities of water for at least 15 minutes. Hold eyelids open. Remove clothing if contaminated and wash skin. Urgently seek medical assistance. Transport to hospital or medical centre
- Skin:** Immediately wash contaminated skin with plenty of water. Remove contaminated clothing and wash before re-use. If swelling, redness, blistering or irritation occurs seek medical advice.
- Inhaled:** Remove victim from exposure to fresh air. Remove contaminated clothing and loosen remaining clothing. Keep warm and rested. Seek medical advice if effects persist.
- Advice to Doctor:** Treat symptomatically and as for exposure to cationic detergents. Can cause corneal burns.

## FIRST AID FACILITIES

Eye wash and safety shower in area of use

**PRECAUTIONS FOR USE**

**ENGINEERING CONTROLS**

**VENTILATION**

Local mechanical exhaust ventilation capable of maintaining emissions at the point of use. Keep containers closed when not in use.

**PERSONAL PROTECTION**

Avoid skin and eye contact. Wear overalls, face shield, elbow length PVC gloves. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and protective equipment before re-using.

**STORAGE AND HANDLING**

Store in a cool, dry, well ventilated place away from direct heat. Keep container tightly closed when not in use. Do not use pressure to empty container. Wash hands thoroughly after handling.

**Risk Phrases:**

- R22:** Harmful if swallowed.
- R34:** Causes burns.
- R41:** Risk of serious injury to eyes.

**Safety Phrases:**

- S24/25:** Avoid contact with eyes and skin
- S37/39:** Wear suitable gloves and eye/face protection
- S26:** In case of contact with eyes, rinse immediately with plenty of water and seek medical advice

## **SPILLS AND DISPOSAL**

Clear area of all unprotected personnel. Avoid inhalation of vapour or mist. Slippery when spilt. Avoid accidents, clean up immediately. Wear protective clothing to prevent skin and eye irritation.

## **DISPOSAL**

Refer to **State Land Waste Management Authority**. Decontaminate empty containers.

### **FIRE AND/OR EXPLOSION HAZARD**

Non combustible, however following evaporation of aqueous component residual could burn if ignited. Decomposes on heating emitting toxic fumes including those of chloride, nitrogen oxides, carbon oxides and hydrochloric acid gases. Fire fighters should wear self-contained breathing apparatus and full protective clothing if there exists a risk of structures exposed to fire.

### **Extinguishing Medium:**

Water fog (or if available fine water spray), foam, dry agent (carbon dioxide, dry chemical powder).

### **CONTACT INFORMATION**

**CONTACT: CHIEF EXECUTIVE OFFICER: (02) 9790 8777**

### **DISCLAIMER**

All information given in this data sheet and by the company's technical staff is compiled from the information currently available to the company. The company accepts no responsibility whatsoever for its accuracy, or for any results which may be obtained by customers. Any customer who relies upon any advice or information given in this data sheet by the company or by its technical staff does so entirely at its own risk, and the company will not be liable for any loss or damage thereby suffered notwithstanding any want of care on the part of the company or its staff in compiling or giving the advice or information.