

MATERIAL SAFETY DATA SHEET

PRODUCT: CALCIUM CHLORIDE

SOLD AS: Blue Pools Water Hardener

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
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PRODUCT IDENTIFICATION

Trade Name: Calcium Chloride
Other Names: Calcium Chloride Dihydrate
U.N. No.: None Allocated
Dg Class: None Allocated
Sub Risk: None Allocated
Hazchem: None Allocated
Poison Schedule: None Allocated
Uses: General Chemical

PHYSICAL DESCRIPTION/ PROPERTIES

Appearance, odour: White crystalline powder, odourless.
Melting Point: 782°C
Boiling Point: >1600°C
Specific Gravity (20°C): 2.15 g/cm³
Vapour Density (air=1): Not Available
Vapour Pressure (20°C): Not Available
Flash Point (Closed cup): Not Available
Flammability Limits (%): Not Available
Solubility in water: Soluble
Molecular Formula: CaCl₂
Stability and Reactivity: Stable under normal temperatures and pressures. Deliquescent material. Incompatible with boric oxide, calcium oxide and bromine trifluoride. Reacts with zinc to form explosive hydrogen gas. Catalyses exothermic polymerisation of vinyl ether. Explodes at room temperature when added to furan-2-percarboxylic acid. Undergoes exothermic (produces heat) reaction when added to water.

<u>Chemical Name</u>	<u>CAS Number</u>	<u>Proportion</u>
Calcium Chloride	10043-52-4	>99.0%
Other ingredients not considered hazardous by Worksafe Australia to		100%

HEALTH HAZARD INFORMATION

HEALTH EFFECTS

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms that may arise if the product is mishandled are:

Effects from Acute Exposure

- Swallowed:** May cause severe gastrointestinal tract irritation. Causes nausea, vomiting, diarrhoea and possible burns.
- Eye:** Irritating to eyes. May cause eye burns.
- Skin:** May cause irritation to skin. Repeated or prolonged contact may cause skin burns.
- Inhaled:** Inhalation of dust may cause irritation to the respiratory tract.
- Chronic Effects:** No information available.

FIRST AID

- Swallowed:** If conscious give water to drink. Do not induce vomiting. Seek immediate medical attention.
- Eye:** Immediately irrigate with copious quantities of water for at least 15 minutes. Eyelids to be held open. Seek immediate medical attention.
- Skin:** Wash with plenty of soap & water. Remove contaminated clothing, launder clothes before reuse. If irritation persists seek medical advice.
- Inhaled:** Remove victim from exposure to fresh air immediately. If not breathing apply artificial respiration. If breathing is difficult give oxygen. Seek immediate medical advice.
- Advice to doctor:** Treat symptomatically.

FIRST AID FACILITIES

Eye wash and safety shower

PRECAUTIONS FOR USE

EXPOSURE STANDARDS

None established by the National Occupational Health and Safety Commission (Worksafe Australia). Keep exposure levels as low as possible.

ENGINEERING CONTROLS

A system of local and/or general exhaust ventilation is recommended to keep exposure levels as low as possible. If condition of use creates dusty environment, local exhaust ventilation is recommended.

PERSONAL PROTECTION

Avoid skin and eye contact and inhalation of dust. Wear protective overalls, chemical safety glasses and rubber gloves. Use chemical safety goggles or face shield where dusting or splashing of solutions is possible. Use a dust mask or dust/mist respirator in dusty conditions. Always wash hands before smoking, eating, drinking or using the toilet.

FLAMMABILITY

Not flammable.

STORAGE AND HANDLING

STORAGE AND TRANSPORT

Not defined as a Dangerous Good by the Australian Code for the Transport of Dangerous Goods by Road and Rail. Store in a cool dry place. Store in well ventilated area. Keep container tightly closed. Protect from physical damage. Keep away from incompatible materials.

SPILLS

Wear protective equipment to prevent skin and eye contamination and inhalation of dust. Sweep up but avoid generating dust. Collect and place in suitably labelled containers.

DISPOSAL

Refer to **State Land Waste Management Authority**.

FIRE AND/OR EXPLOSION

Non combustible product. Use extinguishing media appropriate for surrounding fire. When heated to decomposition may produce toxic gases. Fire fighters to wear self-contained breathing apparatus if risk of exposure to vapour or products of combustion. Not considered to be an explosion hazard.

OTHER INFORMATION

TOXICITY

No information available

ENVIRONMENTAL IMPACT

No data available.

Hazard Category: Irritant

Risk Phrases: R36 Irritating to eyes.

Safety Phrases: S2 Keep out of reach of children. S22 Do not breathe dust. S24 Avoid contact with skin.

CONTACT INFORMATION

CONTACT: CHIEF EXECUTIVE OFFICER: (02) 9790 8777

DISCLAIMER

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