



## SAFETY DATA SHEET

**PRODUCT NAME:** Pool Treat Hardness

July 2013

### IDENTIFICATION

**Product Name:** Pool Treat Hardness  
**Other Names:** Calcium Chloride, Dihydrate  
**Product Code:** PH1, PH2, PH6, PH25  
**Uses:** Pool water hardness, desiccant, binder, coagulant, fire retardant, freezing point depressant, fungicide, preservative, sequestrant.

**Supplier:** HamChem Hamilton Chemicals Ltd, 355 Kahikatea Drive, Hamilton  
Phone: 078475840, Fax 078475882, info@hamchem.co.nz

- In emergency dial 111, and then ask for Fire, Ambulance or Police as necessary.
- In case of poisoning phone National Poisons Centre – 0800 764 766

### HAZARD IDENTIFICATION

**Read label and SDS thoroughly before use.**

**HSNO Classifications:** 6.1D, 6.3A, 6.4A, 9.3C

**Transport:** Not classified as a Dangerous Good according to the NZS 5433:1999 Transport of Dangerous Goods on Land.

**Hazard Statements:** Harmful if swallowed or inhaled. Causes eye and skin irritation. Harmful to terrestrial vertebrates.

**Precautions:** Keep out of reach of children. Read label before use. Avoid breathing dust. Use only outdoors or in a well ventilated area. Wear protective gloves, clothing and eye/face protection. Do not eat, drink or smoke when using this product. Wash hands and exposed skin thoroughly after handling. Avoid release to the environment.

### COMPOSITION & INFORMATION ON INGREDIENTS

Chemical Entity	CAS No.	Proportion (%)
Calcium Chloride	10035-04-8	74-80%
Water	7732-18-5	20-26%

### FIRST AID MEASURES

**If swallowed:** Do NOT induce vomiting. Rinse mouth with water. Give water to drink to achieve dilution. Call a Poison Centre or Doctor/Physician if you feel unwell.

Recommendations, suggestions or statements made in the bulletins are intended for the assistance of our customers. They are based upon our experience and judgement but must not be regarded as amounting to a legal warranty or as involving any liability on our part and must be read in conjunction with and subject to our Conditions of Sale which apply to goods supplied by us.

HamChem Ltd, 355 Kahikatea Drive, Hamilton, New Zealand. Phone 07 847 5840 Fax 07 847 5882 E-Mail - info@ hamchem.co.nz

<b>PRODUCT NAME:</b> Pool Treat Hardness
--

**If on skin:** Remove all contaminated clothing immediately and wash before reuse. Rinse skin with water. If skin irritation occurs get medical attention.

**If inhaled:** Remove to fresh air and keep at rest in a position comfortable for breathing. Call a Poison Centre or Doctor/Physician if you feel unwell.

**If in eyes:** Rinse cautiously with water for at least 15 minutes. Remove contact lenses if present, and trained to do so. Continue rinsing. If irritation persists, seek medical attention.

**Note to Physician:** Treat symptomatically.

### **SYMPTOMS AND EFFECTS, ACUTE AND DELAYED, FROM EXPOSURE**

**Ingestion:** May result in nausea, vomiting and abdominal pain.

**Skin contact:** Contact with skin may result in irritation.

**Inhalation:** Breathing in dust may cause respiratory irritation.

**Eye contact:** Irritating to the eye.

**Long term effects:** Repeated or prolonged contact with skin may cause dermatitis. The substance may have effects on the nasal mucous membranes, resulting in ulceration.

<b>FIRE FIGHTING MEASURES</b>
-------------------------------

**Extinguishing media:** This product is non-combustible, if material is involved in fire, use: Water fog or water spray, foam, dry agent (carbon dioxide, dry chemical powder)

**Specific hazards:** Non combustible material.

**Special protective precautions & equipment:** Decomposes on heat emitting toxic fumes. If safe to do so, remove containers from path of fire. Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if there is risk of exposure to products of decomposition.

<b>ACCIDENTAL RELEASE MEASURES</b>
------------------------------------

Wear protective equipment to prevent skin and eye contact. Avoid breathing in dust. Work up wind or increase ventilation. Avoid dust generation. Collect and seal in properly labeled containers or drums for disposal. Wash area down with excess water. Do not wash untreated material down the drain or sewer.

<b>HANDLING &amp; STORAGE</b>
-------------------------------

Recommendations, suggestions or statements made in the bulletins are intended for the assistance of our customers. They are based upon our experience and judgement but must not be regarded as amounting to a legal warranty or as involving any liability on our part and must be read in conjunction with and subject to our Conditions of Sale which apply to goods supplied by us.

HamChem Ltd, 355 Kahikatea Drive, Hamilton, New Zealand. Phone 07 847 5840 Fax 07 847 5882 E-Mail - info@ hamchem.co.nz

<b>PRODUCT NAME:</b>	Pool Treat Hardness
----------------------	---------------------

**Handling advice:** Before using carefully read the product label. Avoid skin and eye contact and breathing dust. Avoid handling which leads to dust generation. Wash hands and exposed skin thoroughly after handling.

**Storage advice:** Store in a cool, dry, well ventilated place out of direct sunlight. Keep dry. Keep containers closed when not in use. Product is hygroscopic (absorbs moisture from air). Inspect regularly for deficiencies such as damage or leaks. Protect against physical damage. Store away from metals.

#### EXPOSURE CONTROLS & PERSONAL PROTECTION

**Exposure standards:** No value assigned for this specific material by the NZ Occupational Safety and Health Service (OSH). However, Workplace Exposure Standard for particulates:  
WES-TWA 10mg/m<sup>3</sup>

**Engineering controls:** Ensure ventilation is adequate to maintain air concentrations below exposure limits. Use local exhaust ventilation or wear a dust mask during use.

**Personal protective equipment:** Wear overalls, chemical goggles and PVC or rubber gloves.

#### PHYSICAL & CHEMICAL PROPERTIES

<b>Appearance:</b>	White (very hygroscopic) powder/flakes
<b>Odour:</b>	Odourless
<b>Specific Gravity:</b>	1.85
<b>Solubility:</b>	Soluble in water to 1000g/L @ 0°C
<b>Flash point:</b>	Not applicable
<b>Flammability limits:</b>	Not applicable
<b>Boiling point:</b>	Not available
<b>Melting point:</b>	176°C
<b>pH:</b>	7-10 (100g/L)

#### STABILITY & REACTIVITY

**Stability:** Product is stable under normal conditions of use and storage.

The substance decomposes on heating at high temperature and on burning producing toxic and corrosive fumes. Hygroscopic. Dissolves in water with the liberation of heat. The solution in water is a weak base. Slowly corrodes metals. Attacks zinc in presence of water, forming highly flammable hydrogen gas.

#### TOXICOLOGICAL INFORMATION

**Toxicity data:** Acute Oral LD50 (ingestion, rat) 1000mg/kg

#### ECOLOGICAL INFORMATION

Recommendations, suggestions or statements made in the bulletins are intended for the assistance of our customers. They are based upon our experience and judgement but must not be regarded as amounting to a legal warranty or as involving any liability on our part and must be read in conjunction with and subject to our Conditions of Sale which apply to goods supplied by us.

HamChem Ltd, 355 Kahikatea Drive, Hamilton, New Zealand. Phone 07 847 5840 Fax 07 847 5882 E-Mail - info@ hamchem.co.nz

<b>PRODUCT NAME:</b> Pool Treat Hardness
--

Avoid contaminating waterways.

<b>DISPOSAL CONSIDERATIONS</b>
--------------------------------

Recycle wherever possible. Whatever cannot be saved for recovery or recycling should be sent to an approved waste disposal contractor for disposal in an approved waste facility. Normally product is suitable for disposal at an approved landfill site. Processing, use or contamination of this product may change the waste management options. Care should be taken to ensure compliance with national and local regulations. This product is NOT for disposal via municipal sewers, drains, natural streams or rivers.

<b>TRANSPORT INFORMATION</b>
------------------------------

Not classified as a Dangerous Good according to NZS 5433:1999 Transport of Dangerous Goods on Land.

<b>REGULATORY INFORMATION</b>
-------------------------------

**HSNO Classifications:** 6.1D – Acutely toxic  
6.3A – Irritating to skin  
6.4A – Irritating to eyes  
9.3C – Harmful to terrestrial vertebrates.

<b>OTHER INFORMATION</b>
--------------------------

**Key to abbreviations:**

**End of SDS.**

Recommendations, suggestions or statements made in the bulletins are intended for the assistance of our customers. They are based upon our experience and judgement but must not be regarded as amounting to a legal warranty or as involving any liability on our part and must be read in conjunction with and subject to our Conditions of Sale which apply to goods supplied by us.

HamChem Ltd, 355 Kahikatea Drive, Hamilton, New Zealand. Phone 07 847 5840 Fax 07 847 5882 E-Mail - [info@hamchem.co.nz](mailto:info@hamchem.co.nz)