



SAFETY DATA SHEET

According to Safe Work Australia

Printing date 17.06.2013

Revision: 17.06.2013

1. IDENTIFICATION: PRODUCT IDENTIFIER AND CHEMICAL IDENTITY

Product Name: POOL PRO HARDNESS RAISER**Recommended Use of the Chemical and Restriction on Use:**

Binder, coagulant, fire retardant, freezing point depressant, fungicide, preservative, sequestrant.

Details of Manufacturer or Importer:

The POPS Group Pty Ltd as Trustee for The Pool Shops Trust
10-12 Cairns Street
Loganholme QLD 4129

Phone Number:

07 3209 7884
1800 143 788

Emergency telephone number:

1800 033 111
+61 3 9663 2130 International

2. HAZARDS IDENTIFICATION

Hazardous Nature:

GHS07

Eye Irrit. 2A H319 Causes serious eye irritation.

Label Elements**Signal Word** Warning**Hazard Statements**

H319 Causes serious eye irritation.

Precautionary Statements

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P264 Wash hands thoroughly after handling.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313 If eye irritation persists: Get medical advice/attention.

3. COMPOSITION AND INFORMATION ON INGREDIENTS

Chemical Characterization: Mixtures**Description:** Mixture of substances listed below with nonhazardous additions.**Hazardous Components:**

| | | | |
|------------|--|---------------------------------|--------|
| 10043-52-4 | Calcium chloride (CaCl ₂) | Eye Irrit. 2, H319 | 74-80% |
| 1305-62-0 | Calcium hydroxide (Ca(OH) ₂) | Skin Corr. 1B, H314; Eye Dam. 1 | <0.25% |
| 7732-18-5 | Water | | 20-26% |

4. FIRST AID MEASURES

Inhalation:

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek immediate medical attention.

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Skin Contact:

Remove contaminated clothing and wash affected areas with soap and water. Seek medical attention if symptoms persist. Launder clothing before reuse.

Eye Contact:

In case of eye contact, check for and remove any contact lenses. Immediately irrigate eyes with plenty of running water for at least 15 minutes, keeping eyelids open. Seek immediate medical attention.

Ingestion:

If swallowed, do NOT induce vomiting. Immediately rinse mouth with water. Give a glass of water. Never give anything by mouth to an unconscious person. Seek immediate medical attention.

Information for Doctor Treat symptomatically.

5 . FIRE FIGHTING MEASURES

Suitable Extinguishing Media:

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

Specific Hazards Arising from the Chemical Decomposes on heating, emitting toxic chlorine fumes.

Special Protective Equipment and Precautions for Fire Fighters

Wear Safe Work Australia approved self-contained breathing apparatus and full protective clothing.

6 . ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures:

Wear Safe Work Australia approved self-contained breathing apparatus and full protective clothing. Evacuate all non-essential personnel from affected area. Ensure adequate ventilation. Do not breathe dust.

Environmental Precautions:

In the event of a major spill, prevent spillage from entering drains or water courses.

Methods and Materials for Containment and Cleaning Up:

Stop leak if safe to do so and contain spill. Vacuum or wet sweep spilled material and place in an appropriate container for disposal. Avoid generating dust.

7 . HANDLING AND STORAGE

Precautions for Safe Handling:

Use of safe work practices are recommended to avoid eye or skin contact and inhalation of dust. Food, beverages and tobacco products should not be stored or consumed where this material is in use. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use. Provide eyewash fountains and safety showers in close proximity to points of potential exposure.

Conditions for Safe Storage:

Store in a cool, dry, well ventilated place and out of direct sunlight. Keep containers closed when not in use. Protect from heat and moisture. Keep away from incompatible materials. Check regularly for spills.

8 . EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure Standards (Safe Work Australia):

Rough dust: TWA - 10mg/m³

1305-62-0 Calcium hydroxide (Ca(OH)₂)

NES | TWA: 5 mg/m³

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Engineering Controls:

Local exhaust ventilation is recommended when dusts can be released in excess of established airborne exposure limits.

Personal Protective Equipment (PPE):**Respiratory Protection:**

Use with local exhaust ventilation or while wearing dust mask. Use an Safe Work Australia approved full face supplied air respirator if high airborne concentrations of the material are present. See Australian Standards AS/NZS 1715 and 1716 for more information.

Skin Protection:

Protective gloves and protective clothing. See Australian Standards AS/NZS 2161, 2210.1 and 2210.2 for more information.

Eye and Face Protection:

Safety glasses with top and side shields or goggles. See Australian Standards AS/NZS 1336 and 1337 for more information.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:

| | |
|---|--------------------------|
| Form: | Powder |
| Colour: | White |
| Odour: | Odourless |
| Odour Threshold: | No information available |
| pH-Value: | No information available |
| Melting point/Melting range: | No information available |
| Initial Boiling Point/Boiling Range: | No information available |
| Flash Point: | Not applicable. |
| Flammability: | No information available |
| Auto-ignition Temperature: | No information available |
| Decomposition Temperature: | No information available |
| Explosion Limits: | |
| Lower: | No information available |
| Upper: | No information available |
| Vapour Pressure: | No information available |
| Relative Density: | 2.16 |
| Vapour Density: | No information available |
| Evaporation Rate: | No information available |
| Solubility in Water: | Soluble in water |

10. STABILITY AND REACTIVITY

Possibility of Hazardous Reactions: No information available

Chemical Stability: Reacts exothermically on dilution with water.

Conditions to Avoid: Heat and moisture.

Incompatible Materials:

Calcium chloride will corrode most metals exposed to air; attack aluminium (and its alloys) and yellow brass; react with sulphuric acid to form hydrogen chloride which is corrosive; irritating and reactive; give an exothermic reaction with water-reactive materials such as sodium; result in runaway polymerisation reaction with methyl vinyl ether and, in solution form react with zinc (galvanising) to yield hydrogen gas which is explosive.

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Hazardous Decomposition Products: Emits toxic chlorine fumes when heated to decomposition.

11 . TOXICOLOGICAL INFORMATION

Toxicity:**LD₅₀/LC₅₀ Values Relevant for Classification:****10043-52-4 Calcium chloride (CaCl₂)**Oral LD₅₀ 1000 mg/kg (rat)**Acute Health Effects****Inhalation:** Breathing in dust may result in respiratory irritation.**Skin:** Contact with skin may result in irritation.**Eye:** An eye irritant.**Ingestion:** Swallowing can result in nausea, vomiting, diarrhoea and abdominal pain.**Skin Corrosion / Irritation:** Not expected to be a hazard.**Serious Eye Damage / Irritation:** Causes serious eye irritation.**Respiratory or Skin Sensitisation:** No sensitising effects known.**Germ Cell Mutagenicity:** No information available**Carcinogenicity:** This product does NOT contain any IARC listed chemicals.**Reproductive Toxicity:** No information available**Specific Target Organ Toxicity (STOT) - Single Exposure:** Not expected to be a hazard.**Specific Target Organ Toxicity (STOT) - Repeated Exposure:** Not expected to be a hazard.**Aspiration Hazard:** Not expected to be a hazard.**Chronic Health Effects:** No information available**Existing Conditions Aggravated by Exposure:** No information available

12 . ECOLOGICAL INFORMATION

Ecotoxicity: Avoid contaminating waterways.**Aquatic toxicity:** No information available**Persistence and Degradability:** No information available**Bioaccumulative Potential:** No information available**Mobility in Soil:** No information available

13 . DISPOSAL CONSIDERATIONS

Disposal Methods and Containers: Dispose according to applicable local and state government regulations.**Special Precautions for Landfill or Incineration:**

Please consult your state Land Waste Management Authority for more information.

14 . TRANSPORT INFORMATION

UN Number
ADG, IMDG, IATA

Not applicable

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| | |
|---|----------------|
| Proper Shipping Name ADG, IMDG, IATA | Not applicable |
| Dangerous Goods Class ADG Class: | Not applicable |
| Packing Group: ADG, IMDG, IATA | Not applicable |
| Hazchem Code: | Not applicable |
| Special Provisions: | Not applicable |
| Limited Quantities: | Not applicable |
| Packagings & IBCs - Packing Instruction: | Not applicable |
| Packagings & IBCs - Special Packing Provisions: | Not applicable |
| Portable Tanks & Bulk Containers - Instructions: | Not applicable |
| Portable Tanks & Bulk Containers - Special Provisions: | Not applicable |

15 . REGULATORY INFORMATION

Australian Inventory of Chemical Substances:

| | |
|------------|--|
| 10043-52-4 | Calcium chloride (CaCl ₂) |
| 1305-62-0 | Calcium hydroxide (Ca(OH) ₂) |
| 7732-18-5 | Water |

16 . OTHER INFORMATION

Creation Date: 17.06.2013**Last Revision of MSDS:** Rev 1.1 (16/06/2008)**Prepared by:** MSDS.COM.AU Pty Ltdwww.msds.com.au**Abbreviations and acronyms:**

ADG: Australian Dangerous Goods
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
GHS: Globally Harmonized System of Classification and Labelling of Chemicals
VOC: Volatile Organic Compounds
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
IARC: International Agency for Research on Cancer
STEL: Short Term Exposure Limit
TWA: Time Weighted Average

Disclaimer

This MSDS is prepared in accord with the Safe Work Australia document "Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals - December 2011"

The information contained in this material safety data sheet is provided in good faith and is believed to be accurate at the date of issuance. The POPS Group Pty Ltd as Trustee for The Pool Shops Trust makes no representation of the accuracy or comprehensiveness of the information and to the full extent allowed by law excludes all liability for any loss or damage related to the supply or use of the information in this material safety data sheet. MSDS.COM.AU Pty Ltd is not in a position to warrant the accuracy of the data herein. The user is cautioned to make their own determinations as to the suitability of the information provided to the particular circumstances in which the product is used.