1. IDENTIFICATION: PRODUCT IDENTIFIER AND CHEMICAL IDENTITY

Product Name: POOL PRO DUCK OFF

Product Code: 160059

Recommended Use of the Chemical and Restriction on Use:
Quaternary ammonium compound for the manufacture of disinfectants.

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:

- GHS05 corrosion

Skin Corr. 1B    H314 Causes severe skin burns and eye damage.

- GHS09 environment

Aquatic Chronic 1  H410 Very toxic to aquatic life with long lasting effects.

- GHS07

Acute Tox. 4    H302 Harmful if swallowed.

Label Elements

Signal Word Danger

Hazard Statements
H302 Harmful if swallowed.
H314 Causes severe skin burns and eye damage.
H410 Very toxic to aquatic life with long lasting effects.

Precautionary Statements

P260 Do not breathe dust/fume/gas/mist/vapours/spray.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P273 Avoid release to the environment.
P264 Wash hands thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 Immediately call a POISON CENTER or doctor/physician.

(Contd. on page 2)
Product Name: POOL PRO DUCK OFF

3. COMPOSITION AND INFORMATION ON INGREDIENTS

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

Hazardous Components:

<table>
<thead>
<tr>
<th>Chemical Characterization</th>
<th>50%</th>
</tr>
</thead>
<tbody>
<tr>
<td>68391-01-5 Quaternary ammonium compounds, benzyl-C12-18-alkyldimethyl, chlorides</td>
<td>50%</td>
</tr>
<tr>
<td>7732-18-5 Water</td>
<td></td>
</tr>
</tbody>
</table>

4. FIRST AID MEASURES

Inhalation:
If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention if symptoms persist.

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, fine water spray, foam or dry agent, carbon dioxide and sand.

Specific Hazards Arising from the Chemical: Carbon monoxide, nitrous oxides and hydrogen chloride.

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 vapours.

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

(Contd. on page 3)
Methods and Materials for Containment and Cleaning Up:
Stop leak if safe to do so and absorb spill with sand, earth, vermiculite or some other absorbent material. Collect the spilled material and place into a suitable container for disposal.

7. HANDLING AND STORAGE

Precautions for Safe Handling:
Use of safe work practices are recommended to avoid eye or skin contact and inhalation of vapours. 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. Store away from strong oxidising agents. Check regularly for spills.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure Standards (Safe Work Australia):
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

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 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: Liquid
Colour: Colourless
Odour: Almost odourless
Odour Threshold: No information available
pH-Value at 25 °C: 5-7 (10g/L water)
Melting point/Melting range: No information available
Initial Boiling Point/Boiling Range: 100 °C
Flash Point: 160-170 °C (DIN 51758)
Flammability: No information available
Auto-ignition Temperature: 470 °C
Decomposition Temperature: >200 °C
Product Name: POOL PRO DUCK OFF

Explosion Limits:
Lower: No information available
Upper: No information available

Vapour Pressure: No information available
Relative Density at 25 °C: 0.98

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: Stable at ambient temperature and under normal conditions of use.
Conditions to Avoid: No information available
Incompatible Materials: Strong oxidizing agents.
Hazardous Decomposition Products: Carbon monoxide, nitrous oxides and hydrogen chloride.

11. TOXICOLOGICAL INFORMATION

Toxicity:

LD₅₀/LC₅₀ Values Relevant for Classification:
68391-01-5 Quaternary ammonium compounds, benzyl-C12-18-alkyldimethyl, chlorides
Oral LD₅₀ 240 mg/kg (rat)

Acute Health Effects
Inhalation: Avoid breathing vapour/ dust/ spray/ fumes. Harmful if swallowed.
Skin: Corrosive. Causes burns.
Eye: Causes burns to the eyes.
Ingestion:
Harmful if swallowed. The product is corrosive. When tested, the product was corrosive to mucous membrane (in eyes) of rabbits.

Skin Corrosion / Irritation: Causes severe skin burns.
Serious Eye Damage / Irritation: Causes eye damage.
Respiratory or Skin Sensitisation: Not expected to be a hazard.
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: No information available
Specific Target Organ Toxicity (STOT) - Repeated Exposure: No information available
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:
Aquatic toxicity:
Very toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment.

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 3265

Proper Shipping Name
ADG, IMDG, IATA CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S.
(Quaternary ammonium compounds, benzyl-C12-18-alkyldimethyl, chlorides)

Dangerous Goods Class
ADG Class: 8 Corrosive substances.

Packing Group:
ADG, IMDG, IATA II

Hazchem Code: 2X

Special Provisions: 274

Limited Quantities: 1L

Packagings & IBCs - Packing Instruction: P001, IBC02

Packagings & IBCs - Special Packing Provisions: Not applicable

Portable Tanks & Bulk Containers - Instructions: T11

Portable Tanks & Bulk Containers - Special Provisions: TP2, TP27

15. REGULATORY INFORMATION

Australian Inventory of Chemical Substances:
68391-01-5 Quaternary ammonium compounds, benzyl-C12-18-alkyldimethyl, chlorides
7732-18-5 Water

Standard for the Uniform Scheduling of Drugs and Poisons (SUSMP) - Poison Schedule:
Poisons Schedule: 6
16. OTHER INFORMATION

Creation Date: 17.06.2013

Last Revision of MSDS: Rev 1.0 (16/06/2008)

Prepared by: MSDS.COM.AU Pty Ltd

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

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”.
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