Material Safety Data Sheet

Issue Date: July 2012

Product Name: Pool Pro Algae Control  Non - Dangerous Goods

COMPANY DETAILS

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IDENTIFICATION

Product Name: Pool Pro Algae Control
Other Names: Not Applicable
Available Sizes: 2Litre 2.5Lt 5Litre and 20Litre

HAZARD IDENTIFICATION

UN Number: 1760
Subsidiary Risk: None
Packing Group: Allocated II
Hazchem Code: 2X

Risk Phrases:
R37  Irritating to the respiratory system
R38  Irritating to skin
R41  Risk of serious eye damage

Safety Phrases:
R23  Do not breathe fumes/vapour/mist
R24  Avoid contact with skin
R25  Avoid contact with eyes
R26  In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
TRANSPORT INFORMATION

ROAD AND RAIL TRANSPORT
Not classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for transport for Road and Rail.

MARINE TRANSPORT
Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

AIR TRANSPORT
Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

COMPOSITION / INFORMATION

<table>
<thead>
<tr>
<th>Chemical Entity</th>
<th>CAS Number</th>
<th>Concentration</th>
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<tbody>
<tr>
<td>Benzalkonium Chloride</td>
<td>68424-85-1</td>
<td>&lt;20%</td>
</tr>
<tr>
<td>Dye</td>
<td></td>
<td>&lt;0.1%</td>
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<tr>
<td>Water</td>
<td>7732-18-5</td>
<td>To 100%</td>
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</tbody>
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FIRST AID MEASURES

- **Swallowed**: Rinse mouth out with water. Seek advice immediately from a medical practitioner or Poisons Information Centre. Do not induce vomiting unless advised to do so by a medical practitioner. If more than a mouthful has been swallowed, give one or two glasses of water or milk.
- **Skin**: Remove contaminated clothing and thoroughly wash exposed skin with waterless hand cleaner (if available) followed by plenty of soap and water. Seek medical advice if skin irritation occurs.
- **Eye**: If contact with the liquid occurs, or if eye irritation arises, hold the eyelid(s) open and flush the eye(s) with fresh lukewarm water (or, if available, other eye cleansing solutions) for at least 15 minutes. Take care not to rinse contaminated water into the non-affected eye. Seek medical advice for all eye contact.
- **Inhaled**: Remove affected individual from exposure to fresh air. Seek medical advice if respiratory symptoms occur.
- **Advice to Doctor**: No specific treatment recommended. Treat symptomatically for exposure to an irritant (quaternary ammonium compound).
FIRE FIGHTING MEASURES

Hazchem Code 2X

Extinguishers If the product is involved in a fire, water spray, alcohol foam, dry chemical or carbon dioxide extinguishers can be used.

Fire Fighting Precautions In confined areas or areas of excessive smoke, fire fighter must wear full protection and self-contained breathing apparatus.

Combustion Products Carbon monoxide (in conditions of incomplete combustion), carbon dioxide, nitrogen oxides and hydrogen chloride may be produced if water in the product boils off.

Other Precautions The product is non flammable. However, after evaporation of water in the product, the residue may be combustible.

ACCIDENTAL RELEASE MEASURES

Clean up spills promptly. Keep spilt product out of drains, sewers and waterways. Spills should be contained, and the possibility of collection for re-used evaluated. If this is not possible, collect or absorb the material using absorbents, sand or earth and place into a leak proof container for disposal. Wash down the area of soil with plenty of water to remove any remaining residues.

HANDLING AND STORAGE

Handling Keep out of the reach of children. Do not eat, drink or smoke while handling the product. Do not swallow. Avoid contact with eyes. Avoid contact with skin.

Storage The product is not classified as a dangerous good. Minimal conditions include storage in a cool, dry, ventilated store away from sunlight. Containers should be kept upright, closed and airtight when not in use.

Incompatibilities None
EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal Protective Equipment
All personal protective equipment should be selected, used, maintained and decontaminated in accordance with manufacturer’s instructions and applicable standards.

Clothing
Overalls and boots should be worn as a general requirement.

Skin Protection
Where skin exposure is likely, skin protection is required, including gloves and apron. Chemically resistant gloves made of rubber, nitrile, PVC or chloroprene should be satisfactory.

Eye Protection
Eye protection should be used where splashing or large amounts of mists may be generated. Face-shield, chemical safety glasses or side shield glasses are suitable.

Respiratory protection
Respiratory protection is not normally necessary, unless the production of mists is significant. In such cases, a suitable respirator may be worn.

PHYSICAL AND CHEMICAL PROPERTIES

Appearance / Odour
Clear colourless to slightly blue liquid

pH
7-7.5 at 1%

Vapour Pressure
As for water

Vapour Density
As for water

Boiling Point/Range
About 100 °C

Freezing/Melting Point
About 0 °C

Solubility in water
Complete

Specific Gravity / Density
1.0 at 20 °C

Evaporation Rate
As for water

STABILITY AND REACTIVITY

Chemical Stability
This product is stable

Conditions to avoid
None

Incompatible Material
None
Benzalkonium Chloride is classified as a severe skin and eye irritant.

**Acute Effects**

| Swallowed | Swallowing this product may produce inflammation of the mouth, throat and gastrointestinal symptom, and may cause nausea and abdominal pain. Swallowing large amounts can be fatal. |
| Skin      | Prolonged skin contact to the liquid may cause irritation. In rare cases, repeated skin contact may cause contact dermatitis. |
| Eye       | Irritating to the eye on contact with liquid or mists. Not considered an inhalation hazard. |
| Inhaled   | None known. |

**ECOLOGICAL AND DISPOSAL INFORMATION**

As a group, Quaternary ammonium compounds may have temporary effects in aquatic environments. However, they are biodegradable and are unlikely to pose a long term risk to the environment.

Do not discharge this product to natural waterways, stormwater channels or sewers. This product is not a hazardous waste and it can, along with its containers, be disposed to landfill in accordance with local regulations.

**REGULATORY INFORMATION**

Poisons Schedule (Aust): S6

All the constituents of this material are listed on the Australian Inventory of Chemical Substances (AICS)

**CONTACT POINT**

Contact Any advice, recommendation, information, assistance, or service provided by The POPS Group Pty Ltd in relation to the goods supplied by it or their use or application is given in good faith and believed to be appropriate and reliable. However, it is provided with a disclaimer for any liability or responsibility on the part of The POPS Group Pty Ltd. The customer accepts all risk and responsibility for use of the goods alone, or in combination with other products. All warranties, guarantees and conditions, other than those expressly stated, and whether implied by statute, common law, custom of the trade otherwise, are to the extent that the law permits expressly excluded.