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# Material Safety Data Sheet

CS: 1.4.46

Infosafe No™ LPY4X Issue Date : April 2007 ISSUED by POOLSPAP

Product Name : SPA WORLD CLARIFIER

## 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

**Product Name** SPA WORLD CLARIFIER

**Company Name** POOL & SPA POPPITS PTY. LTD. (ABN 53 569 007 940)

**Address** 12 Conquest Way Hallam  
VIC 3803 Australia

**Emergency Tel.** (03) 8795 7155

**Telephone/Fax Number** Tel: (03) 8795 7155  
Fax: (03) 8795 7144

**Email** info@poolpoppits.com.au.

**Recommended Use** Coagulant for water.

## 2. HAZARDS IDENTIFICATION

**Hazard Classification** NON-HAZARDOUS SUBSTANCE.  
NON-DANGEROUS GOODS.  
Hazard classification according to the criteria of NOHSC.  
Dangerous goods classification according to the Australia Dangerous Goods Code.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Composition, information on ingredients** Polyquaternary amine.

<b>Ingredients</b>	<b>Name</b>	<b>CAS</b>	<b>Proportion</b>
	Ingredients determined not to be hazardous.		100 %

## 4. FIRST AID MEASURES

**Inhalation** If inhaled, remove from contaminated area. Apply artificial respiration if not breathing. If symptoms develop seek medical attention.

**Ingestion** DO NOT induce vomiting. Wash out mouth with water. Seek medical attention.

**Skin** Wash affected area thoroughly with soap and water. If symptoms develop seek medical attention.

**Eye** If contact with the eye(s) occur, wash with copious amounts of water holding eyelid(s) open. Take care not to rinse contaminated water into the non-affected eye. In all cases of eye contamination it is a sensible precaution to seek medical advice.

**First Aid Facilities** Normal washroom facilities.

**Advice to Doctor** Treat symptomatically.

## 5. FIRE FIGHTING MEASURES

**Suitable Extinguishing Media** Use water spray, carbon dioxide or dry chemical.

**Hazards from Combustion Products** Under fire conditions this product may emit toxic and/or irritating fumes.

**Specific Hazards** Combustible liquid. Fire-exposed containers may rupture/explode.

**Precautions in connection with Fire** Wear Self-Contained Breathing Apparatus and full protective clothing to minimise exposure.

## 6. ACCIDENTAL RELEASE MEASURES

**Emergency Procedures** Wear protective clothing to minimise skin and eye exposure. If possible contain the spill. Place inert absorbent such as vermiculite, sand or dirt onto material. Collect the material and place into a suitable labelled container. Do not dilute material but contain. Mop up the remaining material and place into the same container. If large quantities of this material enter



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the waterways contact the Environmental Protection Authority, or your local Waste Management Authority. If possible expose the open container to direct sunlight and allow material to polymerise fully. Dispose of as a solid waste.

## 7. HANDLING AND STORAGE

<b>Precautions for Safe Handling</b>	Use in a well ventilated area. Exposure without protection should be prevented in order to lessen the possibility of disorders. It is essential that all who come into contact with this material maintain high standards of personal hygiene ie. washing hands prior to eating, drinking, smoking or using toilet facilities.
<b>Conditions for Safe Storage</b>	Store in a cool, dry well-ventilated area away from heat, moisture and out of direct sunlight. Keep containers closed when not in use and securely sealed and protected against physical damage. Inspect regularly for deficiencies such as damage or leaks.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

<b>National Exposure Standards</b>	No exposure limits have been established for this material by the National Occupational Health And Safety Commission (NOHSC).
<b>Biological Limit Values</b>	No biological limit allocated.
<b>Engineering Controls</b>	Use with good general ventilation. If mists or vapours are produced local exhaust ventilation should be used.
<b>Respiratory Protection</b>	Not required under normal conditions of use. However, if engineering controls are not effective in controlling airborne exposure then respiratory protective equipment should be used suitable for protecting against airborne contaminants. Final choice of appropriate breathing protection is dependant upon actual airborne concentrations and the type of breathing protection required will vary according to individual circumstances. Expert advice may be required to make this decision. Reference should be made to Australian Standards AS/NZS 1715, Selection, Use and maintenance of Respiratory Protective Devices; and AS/NZS 1716, Respiratory Protective Devices.
<b>Eye Protection</b>	Safety glasses with side shields, goggles or full-face shield as appropriate recommended. Final choice of appropriate eye/face protection will vary according to individual circumstances i.e. methods of handling or engineering controls and according to risk assessments undertaken. Eye protection should conform with Australian/New Zealand Standard AS/NZS 1337 - Eye Protectors for Industrial Applications.
<b>Hand Protection</b>	Wear gloves of impervious material such as PVC or nitrile rubber gloves. Final choice of appropriate gloves will vary according to individual circumstances i.e. methods of handling or according to risk assessments undertaken. Reference should be made to AS/NZS 2161.1: Occupational protective gloves - Selection, use and maintenance.
<b>Body Protection</b>	Wear appropriate clothing including chemical resistant apron where clothing is likely to be contaminated.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	Colourless to amber liquid.
<b>Odour</b>	Not available.
<b>Melting Point</b>	- 18°C
<b>Boiling Point</b>	100°C (Approximately)
<b>Solubility in Water</b>	Soluble
<b>Specific Gravity</b>	1.14 - 1.18
<b>pH Value</b>	5-7
<b>Vapour Pressure</b>	Not available
<b>Vapour Density (Air=1)</b>	Not available.
<b>Volatile Component</b>	0.35% w/w
<b>Flash Point</b>	> 93°C



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**Flammability** Combustible liquid.

**Flammable Limits - Lower** Not available

**Flammable Limits - Upper** Not available

## 10. STABILITY AND REACTIVITY

**Chemical Stability** Stable under normal conditions of use.

**Conditions to Avoid** Extremes of temperature and direct sunlight.

**Incompatible Materials** Strong oxidising agents.

**Hazardous Decomposition Products** Decomposition may result in the release of toxic and/or irritating fumes.

## 11. TOXICOLOGICAL INFORMATION

**Toxicology Information** Acute toxicity:  
LD50 (Oral, Rat): 4670 mg/kg

**Inhalation** Inhalation of product vapours may cause irritation of the nose, throat and respiratory system.

**Ingestion** Ingestion of this product may irritate the gastric tract causing nausea and vomiting.

**Skin** May cause redness, itching and irritation.

**Eye** May cause eye irritation, tearing, stinging, blurred vision, and redness.

**Chronic Effects** No known chronic effects.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity** No data is available for this material.

**Persistence / Degradability** Not available.

**Mobility** Not available.

**Environ. Protection** Avoid contaminating waterways.

## 13. DISPOSAL CONSIDERATIONS

**Disposal Considerations** Dispose of waste according to federal, EPA, state and local regulations.

## 14. TRANSPORT INFORMATION

**Transport Information** Not classified as a Dangerous Good, according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.

**Packaging Method** 1 Litre pack.

## 15. REGULATORY INFORMATION

**Poisons Schedule** Not Scheduled

## 16. OTHER INFORMATION

**Contact Person/Point** Rob Anderson - Managing Director:  
Ph: 61 3 8795 7155 (Business hours)  
Freecall: 1800 648 959  
Email: info@poolpoppits.com.au.  
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