

# Material Safety Data Sheet



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Infosafe No. ACRPI Issue Date : April 2007 ISSUED by POOLSPAP

Product Name : **SPA POPPIT SANITISER CONDITIONER, CLARIFIER AND BACTERICIDE**

## 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

<b>Product Name</b>	SPA POPPIT SANITISER CONDITIONER, CLARIFIER AND BACTERICIDE	
<b>Company Name</b>	POOL & SPA POPPITS PTY. LTD. (ABN 53 569 007 940)	
<b>Address</b>	12 Conquest Way Hallam VIC 3803 Australia	
<b>Telephone/Fax Number</b>	Tel: (03) 8795 7155 Fax: (03) 8795 7144	
<b>Recommended Use</b>	Conditioning, clarifying and controlling bacteria in spa.	
<b>Other Names</b>	<u>Name</u>	<u>Product Code</u>
	Hydrogen Peroxide, Aqueous Solutions	

## 2. HAZARDS IDENTIFICATION

<b>Hazard Classification</b>	HAZARDOUS SUBSTANCE. DANGEROUS GOODS. Hazard classification according to the criteria of NOHSC. Dangerous goods classification according to the Australia Dangerous Goods Code.
<b>Risk Phrase(s)</b>	R36/38 Irritating to eyes and skin.
<b>Safety Phrase(s)</b>	S2 Keep out of reach of children. S20/21 When using, do not eat, drink or smoke. S23 Do not breathe gas/fumes/vapour/spray S24/25 Avoid contact with skin and eyes. S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

<b>Ingredients</b>	<u>Name</u>	<u>CAS</u>	<u>Proportion</u>
	Other Ingredients Determined To Be Non Hazardous		60-100 %
	Hydrogen peroxide	7722-84-1	10-<20 %

## 4. FIRST AID MEASURES

<b>Inhalation</b>	If breathing is affected, remove source of contamination or victim to fresh air. If irritation develops, seek medical attention.
<b>Ingestion</b>	Wash out mouth with water. If symptoms develop seek medical attention.
<b>Skin</b>	Remove all contaminated clothing. Wash gently and thoroughly with water and non-abrasive soap. Ensure contaminated clothing is washed before re-use or discard. If irritation develops, seek medical attention.
<b>Eye</b>	Immediately irrigate with copious quantity of water, holding eyelid(s) open. Take care not to rinse contaminated water into non-affected eye. If irritation develops, seek immediate medical attention.
<b>First Aid Facilities</b>	Eye wash and normal washroom facilities.
<b>Advice to Doctor</b>	Treat symptomatically.

## 5. FIRE FIGHTING MEASURES

<b>Suitable Extinguishing Media</b>	Use water spray, foam, dry powder and carbon dioxide to extinguish.
<b>Specific Methods</b>	In case of a fire, cool the containers that are at risk with water or dilute with water (flooding).

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**Specific Hazards** Non flammable, non combustible however at high temperature - will release oxygen. Heating can also cause expansion or decomposition leading to violent rupture of containers. This may cause other materials to burn more fiercely. Due to strong oxidising nature may cause combustible materials to catch fire. May form explosive mixtures with organics.

**Hazchem Code** 2P

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

**Unsuitable Extinguishing Media** DO NOT use extinguishing media such as organic compounds.

## 6. ACCIDENTAL RELEASE MEASURES

**Emergency Procedures** Remove all sources of ignition. Increase ventilation. Evacuate all unnecessary personnel. Wear full protective equipment and clothing to minimise exposure. If possible contain the spill. Place inert absorbent material such as vermiculite, sand or dirt onto spillage. Use clean non-sparking tools to collect the material and place into a suitable labelled container. DO NOT seal container due to product decomposition. Clean contaminated surface thoroughly with water. If large quantities of this material enter the waterways contact the Environmental Protection Authority, or your local Waste Management Authority.

## 7. HANDLING AND STORAGE

**Precautions for Safe Handling** Use only in a well ventilated area. Keep tank covered and containers sealed when not in use. Build up of mists or vapours in the atmosphere must be prevented. Do not use near welding or other ignition sources. Do not inhale vapours. When dealing with large quantities, repeated or prolonged exposure without protection should be prevented in order to lessen the possibility of skin 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 going to the toilet.

**Conditions for Safe Storage** Store in a cool, dry, well-ventilated area, impermeable floor, out of heat source and direct sunlight. Store away from incompatible materials such as alkalis, reducing agents, metallic salts. Do not store together with flammable substances and organic solvents. Use only containers which are specially permitted for hydrogen peroxide. Do not confine product in unvented vessels or between closed valves. Risk of overpressure and burst due to decomposition in confined spaces and pipes. Use adequate venting devices on all packages, containers and tanks. Store and transport in upright position only. Keep containers closed when not in use and securely sealed and protected against physical damage. Inspect regularly for deficiencies such as damage or leaks. Do not store or consume food, drink or smoke in areas where they may become contaminated with this material. Bund in case of leakage.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

National Exposure Standards	Name	STEL		TWA		Footnote
		mg/m3	ppm	mg/m3	ppm	
	Hydrogen peroxide			1.4	1	

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<b>Other Exposure Information</b>	No exposure standards have been established for this material by the National Occupational Health & Safety Commission (NOHSC). However, exposure standards for Hydrogen peroxide are stated above. TWA: Time-Weighted Average airborne concentrations over an eight-hour working day, for a five-day working week over an entire working life. These Exposure Standards are guides to be used in the control of occupational health hazards. All atmospheric contamination should be kept to as low a level as is workable. Exposure Standards should NOT be used as fine dividing lines between safe and dangerous concentrations of chemicals. They are not a measure of relative toxicity.
<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>	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. 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. It is advisable that a local supplier of personal protective clothing is consulted regarding the choice of material.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

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<b>Appearance</b>	Clear water-like liquid.
<b>Melting Point</b>	Not applicable
<b>Boiling Point</b>	Not available
<b>Solubility in Water</b>	Soluble
<b>Specific Gravity</b>	1.06
<b>pH Value</b>	Not available
<b>Vapour Pressure</b>	Not available
<b>Flash Point</b>	Not applicable.
<b>Flammability</b>	Non flammable, non combustible however at high temperature decomposition will release oxygen which will increase the explosive limits and burning rate of flammable vapours.
<b>Flammable Limits - Lower</b>	Not applicable
<b>Flammable Limits - Upper</b>	Not applicable

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## 10. STABILITY AND REACTIVITY

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<b>Chemical Stability</b>	Stable under normal conditions of storage and handling.
<b>Conditions to Avoid</b>	Excessive heat, direct light or contamination of any kind.
<b>Incompatible Materials</b>	Alkalis, reducing agents, metallic salts, flammable substances, impurities and organic solvents.
<b>Hazardous Decomposition Products</b>	Will release oxygen when heated, intensifying a fire.
<b>Hazardous Polymerization</b>	Will not occur.

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## 11. TOXICOLOGICAL INFORMATION

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<b>Toxicology Information</b>	No toxicity data is available for this material.
<b>Inhalation</b>	May cause irritation to the mucous membrane and upper airways, especially if mists are generated. Symptoms may include coughing and wheezing.
<b>Ingestion</b>	May cause irritation of the gastrointestinal system. Symptoms may include pain, nausea, vomiting and diarrhoea.
<b>Skin</b>	Will cause irritation in contact with the skin, which can result in redness, itchiness and possible dermatitis.
<b>Eye</b>	Will cause eye irritation on contact. Symptoms may include redness, swelling, stinging and lacrimation.
<b>Chronic Effects</b>	Prolonged or repeated exposure to this material will result in skin irritation, possibly leading to dermatitis.

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## 12. ECOLOGICAL INFORMATION

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<b>Ecotoxicity</b>	No ecological data is available for this material.
<b>Persistence / Degradability</b>	Not available.
<b>Mobility</b>	Not available.
<b>Environ. Protection</b>	Prevent the material from entering the environment.

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## 13. DISPOSAL CONSIDERATIONS

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<b>Disposal Considerations</b>	Dispose of waste according to federal, E.P.A, State and local regulations. Assure conformity with all applicable regulations.
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## 14. TRANSPORT INFORMATION

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**Transport Information** This material is classified as a Class 5.1 Dangerous Good according to the Australian Code for the Transport of Dangerous Goods. Class 5.1 oxidising agents shall not be loaded or packed in the same vehicle or freight as:

- Explosives (class 1)
- Flammable Gases (class 2.1)
- Toxic Gases (class 2.3)
- Flammable Liquids (class 3),
- Flammable Solids (4.1)
- Spontaneously Combustible Substances (class 4.2)
- Dangerous When Wet Substances (class 4.3)
- Organic Peroxides (class 5.2)
- Toxic Substances (class 6)(where the toxic substances are fire risk substances)
- Radioactive Substances (class 7)
- Corrosive Substances (class 8)
- Miscellaneous Dangerous Goods (class 9)(where the miscellaneous dangerous goods are fire risk substances), or Fire Risk substances or Combustible Liquids.

**U.N. Number** 2984

**Proper Shipping Name** HYDROGEN PEROXIDE, AQUEOUS SOLUTION

**DG Class** 5.1

**Hazchem Code** 2P

**Packaging Method** 1L, 5L, 15L and pack size.

**Packing Group** III

**EPG Number** 5A1

**IERG Number** 31

## 15. REGULATORY INFORMATION

**Poisons Schedule** S6

**Packaging & Labelling** Labelling requirements of the Standard for Uniform Scheduling of Drugs and Poisons do not apply to a poison that is packed and sold solely for industrial, laboratory or manufacturing purposes; however is labelled in accordance with the National Occupational Health and Safety Commission's 'National Code of Practice for the Labelling of Workplace Substances'.

**Hazard Category** Irritant

## 16. OTHER INFORMATION

**Contact Person/Point** Rob Anderson - Managing Director:  
Ph: 61 3 8795 7155 (Business hours)  
Freecall: 1800 648 959  
Mobile: 0419 755 112  
Email: [rob@poolpoppits.com.au](mailto:rob@poolpoppits.com.au)

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