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# Material Safety Data Sheet

CS: 1.4.46

Infosafe No™ LPY54 Issue Date : May 2009 ISSUED by POOLSPAP

Product Name : SPA WORLD CARTRIDGE FILTER CLEANER

## 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

**Product Name** SPA WORLD CARTRIDGE FILTER CLEANER

**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** Cleaner for pool and spa filtration systems.

## 2. HAZARDS IDENTIFICATION

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

**Risk Phrase(s)** R34 Causes burns.

**Safety Phrase(s)** S2 Keep out of reach of children.  
S23 Do not breathe gas/fumes/vapour/spray  
S24/25 Avoid contact with skin and eyes.  
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
S28 After contact with skin, wash immediately with plenty of water  
S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.  
S46 If swallowed, seek medical advice immediately and show this container or label.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	Name	CAS	Proportion
	Sulfuric Acid	7664-93-9	5-15 %
	Orthophosphoric acid	7664-38-2	0-<10 %
	Ingredients determined not to be hazardous	-	Balance

## 4. FIRST AID MEASURES

**Inhalation** If inhaled, remove affected person from contaminated area. Apply artificial respiration if not breathing. Seek medical attention

**Ingestion** Do not induce vomiting. Wash out mouth thoroughly with water. Seek immediate medical attention.

**Skin** Remove all contaminated clothing. Wash gently and thoroughly with water and non-abrasive soap for 15 minutes. Ensure contaminated clothing is washed before re-use or discard. Seek medical attention.

**Eye** If in eyes, hold eyelids apart and flush the eye continuously with running water. Continue flushing until advised to stop by the Poisons Information Centre or a doctor, or for at least 15 minutes. Seek immediate medical attention.

**First Aid Facilities** Eye wash and normal washroom facilities.

**Advice to Doctor** Treat symptomatically.

**Other Information** For advice in an emergency, contact a Poisons Information Centre (Phone Australia 13 1126) or a doctor at once.

## 5. FIRE FIGHTING MEASURES

**Suitable Extinguishing Media** Use appropriate fire extinguisher for surrounding environment.



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**Hazards from Combustion** Under fire conditions this product may emit toxic and/or irritating fumes and gases including oxides of phosphorous and sulphur.

**Products Specific Hazards** Non combustible material.

**Hazchem Code** 2X

**Precautions in connection with Fire** Fire fighters should wear Self-Contained Breathing Apparatus (SCBA) operated in positive pressure mode and full protective clothing to prevent exposure to vapours or fumes. Water spray may be used to cool down heat-exposed containers.

## 6. ACCIDENTAL RELEASE MEASURES

**Emergency Procedures** Wear appropriate personal protective equipment and clothing to minimise exposure. Increase ventilation. If possible contain the spill. Place inert absorbent material onto spillage. Collect the material and place into a suitable labelled container. Do not dilute material but contain. Dispose of waste according to federal, Environmental Protection Authority and state regulations. If the spillage enters the waterways contact the Environmental Protection Authority, or your local Waste Management Authority.

## 7. HANDLING AND STORAGE

**Precautions for Safe Handling** Corrosive liquid. Attacks skin and eyes. May produce severe burns. Wear suitable protective clothing, gloves and eye/face protection when mixing and using. Use in designated areas with adequate ventilation. Avoid breathing in vapours, mist or fumes. Keep containers closed when not in use. Ensure a high level of personal hygiene is maintained when using this product, that is, always wash hands after handling, and before eating, drinking, smoking or using the toilet facilities.

**Conditions for Safe Storage** Store in a cool (preferably below 30°C), dry, well-ventilated area. Store away from oxidising agents and bases/acids. Keep containers closed when not in use, securely sealed and protected against physical damage. Inspect regularly for deficiencies such as damage or leaks. Provide a catch-tank in a bunded area. Store in original packages as approved by manufacturer. For information on the design of the storeroom, reference should be made to Australian Standard AS 3780-1994 The storage and handling of corrosive substances. Reference should also be made to all State and Federal regulations.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**National Exposure Standards** No exposure standards have been established for this material. However, the available exposure limits for ingredients are listed below:

National Occupational Health And Safety Commission (NOHSC), Australia Exposure Standards:

Substance	TWA		STEL	
	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
Sulphuric acid	-	1	-	3
Phosphoric acid	-	1	-	3

TWA (Time Weighted Average): The average airborne concentration of a particular substance when calculated over a normal eight-hour working day, for a five-day week.

STEL (Short Term Exposure Limit): The average airborne concentration over a 15 minute period which should not be exceeded at any time during a normal eight-hour workday.

**Biological Limit Values** No biological limits allocated.

**Engineering Controls** Provide sufficient ventilation. For industrial applications, where vapours or mists are generated, particularly in enclosed areas, and natural ventilation is inadequate, a local exhaust ventilation system is required.

**Respiratory Protection** If engineering controls are not effective in controlling airborne exposure then an approved respirator with a replaceable filter should be used. Reference should be made to Australian/New Zealand Standards AS/NZS 1715, Selection, Use and Maintenance of Respiratory Protective Devices; and AS/NZS 1716, Respiratory Protective Devices, in order to make any necessary changes



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**Eye Protection** for individual circumstances. Safety glasses with side shields, full face shields or chemical goggles should be worn. Final choice of appropriate eye/face protection will vary according to individual circumstances. Eye protection devices should conform with Australian/New Zealand Standard AS/NZS 1337 - Eye Protectors for Industrial Applications.

**Hand Protection** 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.

**Body Protection** Suitable protective workwear, e.g. cotton overalls buttoned at neck and wrist is recommended. Chemical resistant apron is recommended where large quantities are handled. Industrial clothing should conform to the specifications detailed in AS/NZS 2919: Industrial clothing.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance** Amber coloured liquid

**Odour** Mild Odour

**Melting Point** Approx. 0°C

**Boiling Point** Approx. 100°C at 100 kPa

**Solubility in Water** Completely Soluble

**Specific Gravity** Approx. 1.10 at 20°C

**pH Value** Not available

**Vapour Pressure** 2.37 kPa at 20°C

**Vapour Density (Air=1)** Not available

**Flash Point** Not applicable

**Flammability** Not combustible

**Flammable Limits - Lower** Not applicable

**Flammable Limits - Upper** Not applicable

## 10. STABILITY AND REACTIVITY

**Chemical Stability** Stable under normal conditions.

**Conditions to Avoid** Heat.

**Incompatible Materials** Bases, zinc, tin, aluminium and their alloys.

**Hazardous Decomposition Products** Thermal decomposition may result in the release of toxic and/or irritating fumes including oxides of phosphorous and sulphur.

**Hazardous Reactions** Most strong acids react with inorganic and organic bases to form salts, with metals to liberate hydrogen gas and heat, and they decompose (Hydrolyse) organic materials such as esters.

**Hazardous Polymerization** Will not occur.

## 11. TOXICOLOGICAL INFORMATION

**Toxicology Information** No toxicity data available for this product.

**Inhalation** Inhalation of mists or vapours will result in respiratory irritation and possible harmful corrosive effects including lesions of the nasal septum, pulmonary edema, pneumonitis and emphysema.

**Ingestion** Ingestion of this product will cause nausea, vomiting, abdominal pain and chemical burns to the mouth, throat and stomach.

**Skin** Causes burns. Corrosive to the skin. Skin contact can cause redness, itching,



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**Eye** irritation, severe pain and chemical burns with resultant tissue destruction. Corrosive to eyes - contact can cause corneal burns. Contamination of eyes can result in permanent injury. Eye contact with vapour or liquid will cause stinging, blurring tearing, severe pain and possible permanent eye damage and blindness.

**Chronic Effects** Not available

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity** Not available

**Persistence / Degradability** Will not degrade naturally

**Mobility** Not available

**Environ. Protection** Prevent this material entering waterways, drains and sewers.

## 13. DISPOSAL CONSIDERATIONS

**Disposal Considerations** Dispose of waste according to applicable local and national regulations.

## 14. TRANSPORT INFORMATION

**Transport Information** This material is classified as a Class 8 (Corrosive Substances) Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. Class 8 Dangerous Goods are incompatible in a placard load with any of the following:

- Class 1, Explosives
- Class 4.3, Dangerous When Wet Substances
- Class 5.1, Oxidising Agents
- Class 5.2, Organic Peroxides
- Class 6, Toxic and Infectious Substances, if the Class 6 dangerous goods are cyanides and the Class 8 dangerous goods are acids
- Class 7, Radioactive Substances

and are incompatible with food and food packaging in any quantity.

**U.N. Number** 1760

**Proper Shipping Name** CORROSIVE LIQUID, N.O.S. - (CONTAINS SULPHURIC ACID)

**DG Class** 8

**Hazchem Code** 2X

**Packaging Method** 3.8.8

**Packing Group** III

**EPG Number** 8A1

**IERG Number** 37

## 15. REGULATORY INFORMATION

**Regulatory Information** Classified as Hazardous according to criteria of National Occupational Health & Safety Commission (NOHSC), Australia. Classified as a Scheduled Poison S6 according to the Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP).

**Poisons Schedule** Not Scheduled

**Hazard Category** Corrosive

## 16. OTHER INFORMATION

**Date of preparation or last revision of MSDS** MSDS Created: May 2009

**Contact Person/Point** Rob Anderson - Managing Director:  
Ph: 61 3 8795 7155 (Business hours)



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Freecall: 1800 648 959

Email: [info@poolpoppits.com.au](mailto:info@poolpoppits.com.au).

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