



# Material Safety Data Sheet

CS: 1.4.46

Infosafe No™ ACROO	Issue Date :May 2009	ISSUED by POOLSPAP
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Product Name : **POPPIT QUICK FIX**

## 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

<b>Product Name</b>	POPPIT QUICK FIX	
<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>Emergency Tel.</b>	(03) 8795 7155	
<b>Telephone/Fax Number</b>	Tel: (03) 8795 7155 Fax: (03) 8795 7144	
<b>Email</b>	info@poolpoppits.com.au.	
<b>Recommended Use</b>	Non-chlorine oxidiser for swimming pools and spa.	
<b>Other Names</b>	<u>Name</u>	<u>Product Code</u>
	OXYSHOCK	

## 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>	R34 Causes burns. R37 Irritating to respiratory system. R42/43 May cause sensitisation by inhalation and skin contact
<b>Safety Phrase(s)</b>	R8 Contact with combustible material may cause fire. S2 Keep out of reach of children. S22 Do not breathe dust. 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. S27 Take off immediately all contaminated clothing. S36/37/39 Wear suitable protective clothing, gloves and eye/face protection. S45 In case of accident or if you feel unwell seek medical advice immediately

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	Name	CAS	Proportion
	Potassium sulphate	7778-80-5	30-<60 %
	Potassium peroxymonosulphate	10058-23-8	30-<60 %
	Potassium bisulphate	7646-93-7	0-<30 %
	Magnesium carbonate	546-93-0	0-<10 %
	Potassium Persulphate	7727-21-1	0-<10 %

## 4. FIRST AID MEASURES

<b>Inhalation</b>	Remove the source of contamination or move the affected person to fresh air. Ensure airways are clear. Apply artificial respiration if not breathing. Seek medical attention.
<b>Ingestion</b>	DO NOT induce vomiting. Immediately wash out mouth with water. SEEK IMMEDIATE 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 IMMEDIATE medical attention.
<b>Eye</b>	If in eyes, hold eyelids apart and flush the eyes continuously with running water. Continue flushing for at least 15 minutes until all contaminants are washed off completely. SEEK IMMEDIATE MEDICAL ATTENTION.
<b>First Aid Facilities</b>	An eye wash fountain, safety shower and a general washing facility.



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**Advice to Doctor** Treat symptomatically.

**Other Information** For advice in an emergency, contact a Poisons Information Centre (Phone eg Australia 131 126) or a doctor at once.

## 5. FIRE FIGHTING MEASURES

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

**Hazards from Combustion Products** Under fire conditions this product may emit oxygen.

**Specific Hazards** Non flammable, non combustible, however at high temperature will release oxygen. Improper storage of large masses of this material can trap heat and lead to ignition of combustibles. Heating can also cause expansion or decomposition leading to violent rupture of containers.

**Hazchem Code** 2X

**Precautions in connection with Fire** Fire-fighters should wear full protective clothing and self contained breathing apparatus (SCBA) operated in positive pressure mode. Water spray may be used to keep fire exposed containers cool.

## 6. ACCIDENTAL RELEASE MEASURES

**Emergency Procedures** Avoid breathing dust and increase ventilation. Wear appropriate personal protective equipment and clothing to prevent exposure. Evacuate all unprotected personnel. Sweep up material avoiding dust generation or use dustless methods such as vacuum. Place waste material into suitable dry labelled containers for disposal. If this material enters the waterways contact the Environmental Protection Authority, or your local Waste Management Authority.

## 7. HANDLING AND STORAGE

**Precautions for Safe Handling** Corrosive substance. Attacks skin and eyes. May produce burns. Wear suitable protective clothing, gloves and eye/face protection when mixing and using. Use in designated areas with adequate ventilation. Avoid breathing in dust. 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 dry well-ventilated area away from incompatibles. 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	
	ppm	mg/m <sup>3</sup>
Potassium persulphate	-	0.01 (Peak limitation)

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.

Peak Limitation: A ceiling concentration which should not be exceeded over a measurement period which should be as short as possible but not exceeding 15 minutes.

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



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<b>Engineering Controls</b>	Where dust or mists are generated and exposure standards are exceeded in industrial applications, the use of a local exhaust ventilation system is recommended.
<b>Respiratory Protection</b>	If engineering controls are not effective in controlling airborne exposure then an approved respirator with a replaceable dust/particulate 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 for individual circumstances.
<b>Eye Protection</b>	Chemical safety goggles or face shield required as appropriate. Refer to the Australian Standard AS/NZS 1337- Eye Protectors for Industrial Applications.
<b>Hand Protection</b>	Impervious gloves (ie. PVC, nitrile, neoprene rubber) recommended. Final choice of appropriate gloves will vary according to individual circumstances ie. methods of handling or according to risk assessments undertaken. Reference should be made to AS/NZS 2161 Occupational protective gloves- Selection, use and maintenance.
<b>Body Protection</b>	For industrial applications, suitable protective workwear, e.g. cotton overalls buttoned at neck and wrist is recommended. Industrial clothing should conform to the specifications detailed in AS/NZS 2919: Industrial clothing.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

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<b>Appearance</b>	White granule, free flowing solid, odourless.
<b>Melting Point</b>	Decomposes on heating
<b>Boiling Point</b>	Decomposes on heating
<b>Solubility in Water</b>	25.6 g/l at 25°C
<b>Specific Gravity</b>	1.1-1.4 (water=1)
<b>pH Value</b>	2.3 (1% solution) 2.0 (3% solution)
<b>Vapour Pressure</b>	Not applicable
<b>Flash Point</b>	Not applicable
<b>Flammability</b>	Non flammable.
<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 handling and storage. Grinding or intensive mixing may cause decomposition with liberation of heat and oxygen and may cause ignition of oxidisable material present.
<b>Conditions to Avoid</b>	Heat and moisture
<b>Incompatible Materials</b>	Halides (Fluoride, chloride, Bromide, Iodide) or active halogens (Fluorine, chlorine, bromine, iodine); cyanides, heavy metal salts such as those of cobalt, nickel, copper or manganese and combustible materials. The mixture of compounds containing halides or active halogens can cause release of the respective halogen if moisture is present. For example, mixing with sodium dichloroisocyanurate or with sodium chloride can cause release of chlorine gas. Mixing with cyanides can cause release of hydrogen cyanide gas. Mixing with heavy metal salts such as those of cobalt, nickel, copper or manganese can cause the evolution of oxygen. Decomposition releases oxygen gas.
<b>Hazardous Decomposition Products</b>	Will release oxygen when heated, intensifying a fire. Acidic mist may be present.
<b>Hazardous Polymerization</b>	Will not occur.

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## 11. TOXICOLOGICAL INFORMATION



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Product Name : **POPPIT QUICK FIX**

<b>Toxicology Information</b>	LD50 (Oral, rat): 2000 mg/kg LC50 (Inhalation, rat): > 5mg/l (4h) LD50 (Dermal, rabbit) = >11000 mg/kg
<b>Inhalation</b>	Dust or mists generated will cause severe irritation with possible burns to the mucous membrane and upper airways. Symptoms may include coughing, lesions of the nasal septum, severe pain and may lead to permanent tissue scarring. Repeated contact with dust or mists may also lead to sensitisation.
<b>Ingestion</b>	Will cause severe irritation and chemical burns to the mouth, oesophagus and stomach. Symptoms may include nausea, vomiting, perforation with severe abdominal pain and bleeding, breathing difficulties, shock, convulsions and collapse.
<b>Skin</b>	Will cause severe irritation and chemical burns in contact with the skin, resulting in redness, itching, swelling, blistering, severe lesions and possible permanent tissue damage (scarring). Repeated contact with diluted solutions greater than 150 ppm may also lead to dermatitis and sensitisation.
<b>Eye</b>	Will cause severe irritation and chemical burns in contact with the eyes which can result in redness, stinging, pain, lachrymation, serious lesions and lead to permanent corneal injury ie. blindness.
<b>Chronic Effects</b>	Prolonged or repeated contact with this material will result in skin irritation and possibly lead to dermatitis or sensitisation. Repeated or prolonged exposure may also lead to permanent tissue scarring. May also aggravate existing respiratory disorders or cause sensitisation.

## 12. ECOLOGICAL INFORMATION

<b>Ecotoxicity</b>	Not available
<b>Persistence / Degradability</b>	Not available
<b>Mobility</b>	Not available
<b>Environ. Protection</b>	Corrosive. Prevent this material from entering the environment.
<b>Acute Toxicity - Fish</b>	Acute Aquatic toxicity data for ingredients: Potassium Sulfate: 96 hour TLM, bluegill sunfish: 3,500 mg/L Magnesium Carbonate: 96 hour LC50, species unidentified: > 1000 ppm

## 13. DISPOSAL CONSIDERATIONS

<b>Disposal Considerations</b>	Dispose of waste according to Environmental Protection Authority, federal, state and local regulations.
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## 14. TRANSPORT INFORMATION

<b>Transport Information</b>	This material is a Class 8 Corrosive Substance according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. Class 8 - Corrosive Substances 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 Substances (where the Toxic substances are cyanides and the corrosives are acids), - Class 7, Radioactive Substances, - Class 8, Corrosive Substances (concentrated strong acid is to be segregated from strong alkali), and are incompatible with food and food packaging in any quantity.
<b>U.N. Number</b>	3260
<b>Proper Shipping Name</b>	CORROSIVE SOLID, ACIDIC, INORGANIC, N.O.S. - (CONTAINS PEROXYMONOSULPHATE)
<b>DG Class</b>	8
<b>Hazchem Code</b>	2X
<b>Packaging Method</b>	1kg jar.
<b>Packing Group</b>	III
<b>IERG Number</b>	37



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## 15. REGULATORY INFORMATION

<b>Regulatory Information</b>	Classified as Hazardous according to criteria of National Occupational Health & Safety Commission (NOHSC), Australia. Not classified as a Scheduled Poison according to the Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP).
<b>Poisons Schedule</b>	Not Scheduled
<b>Hazard Category</b>	Harmful, Corrosive, Oxidising
<b>AICS (Australia)</b>	All components of this product are listed on the Australian Inventory of Chemical Substances (AICS).

## 16. OTHER INFORMATION

<b>Date of preparation or last revision of MSDS</b>	MSDS reviewed: May 2009 Supersedes: December 2003
<b>Contact Person/Point</b>	Rob Anderson - Managing Director: Ph: 61 3 8795 7155 (Business hours) Freecall: 1800 648 959 Email: info@poolpoppits.com.au. ...End Of MSDS...

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