

# Material Safety Data Sheet



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Infosafe No™ ACROO Issue Date : June 2010 ISSUED by POOLSPAP

Product Name **POPPIT QUICK FIX**

Classified as hazardous

## 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

**Product Name** POPPIT QUICK FIX  
**Product Code** FQF1X6, FQF475X12  
**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](mailto:info@poolpoppits.com.au).  
**Recommended Use** Non-chlorine oxidiser for swimming pools and spa.  
**Other Names** Name Product Code  
OXYSHOCK  
**Other Information** New Zealand contact: Carechem24 International Worldwide Coverage - ALL HOURS.  
Ph + 61 2 9032 0460

## 2. HAZARDS IDENTIFICATION

**Hazard Classification** Classified as hazardous  
Australia:  
Classified as Hazardous according to criteria of National Occupational Health & Safety Commission, Australia (NOHSC).  
Classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.  
New Zealand:  
Classified as Hazardous according to the Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001, New Zealand.  
Classified as Dangerous Goods for transport according to the New Zealand Standard NZS 5433:2007 Transport of Dangerous Goods on Land.  
Hazard statement codes:  
HSNO Classification:  
5.1.1C - Oxidising substances that are liquids or solids: low hazard  
6.5A - Substance that is a respiratory sensitiser  
6.5B - Substance that is a contact sensitiser  
8.2C - Substance that is corrosive to dermal tissue  
8.3A - Substance that is corrosive to ocular tissue  
Hazard statement codes:  
H272 May intensify fire; oxidizer.  
H314 Causes severe skin burns and eye damage.  
H317 May cause an allergic skin reaction.  
H318 Causes serious eye damage.  
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.  
Precautionary statement codes - Prevention:  
P102\* Keep out of reach of children. -This statement applies only where the substance is available to the general public.  
P103\* Read label before use. -This statement applies only where the substance is available to the general public.  
P104 Read Safety Data Sheet before use.  
P210 Keep away from heat/sparks. No smoking.  
P220 Keep/Store away from clothing/combustible materials.  
P221 Take any precaution to avoid mixing with combustibles.  
P260 Do not breathe dust.  
P264 Wash skin thoroughly after handling.  
P272 Contaminated work clothing should not be allowed out of the workplace.

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P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P285 In case of inadequate ventilation wear respiratory protection.  
Precautionary statement codes - Response:  
P101\* If medical advice is needed, have product container or label at hand.  
-This statement applies only where the substance is available to the general public.  
P310 Immediately call a POISON CENTER or doctor/physician.  
INHALATION:  
P304+P340 Remove to fresh air and keep at rest in a position comfortable for breathing.  
P304+P341 If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing.  
P342+P311 If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.  
INGESTION:  
P301+P330+P331 Rinse mouth. Do NOT induce vomiting.  
EYES:  
P305+P351+P338 Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P337+P313 If eye irritation persists: Get medical advice/attention.  
SKIN:  
P302+P352 Wash with plenty of soap and water.  
P303+P361+P353 Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.  
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.  
P363 Wash contaminated clothing before reuse.  
Precautionary statement codes - Storage:  
P405 Store locked up.  
Precautionary statement codes - Disposal:  
P501 \*In the case of a substance that is in compliance with a HSNO approval other than a Part 6A (Group Standards) approval, a label must provide a description of one or more appropriate and achievable methods for the disposal of a substance in accordance with the Hazardous Substances (Disposal) Regulations 2001. This may also include any method of disposal that must be avoided.  
Classified as hazardous  
R34 Causes burns.  
R37 Irritating to respiratory system.  
R42/43 May cause sensitisation by inhalation and skin contact  
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

**Risk Phrase(s)**

**Safety Phrase(s)**

### 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 %

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Magnesium carbonate	546-93-0	0-<10 %
Potassium Persulphate	7727-21-1	0-<10 %

## 4. FIRST AID MEASURES

**Inhalation** 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.

**Ingestion** DO NOT induce vomiting. Immediately wash out mouth with water. SEEK IMMEDIATE MEDICAL ATTENTION.

**Skin** 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.

**Eye** 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.

**First Aid Facilities** An eye wash fountain, safety shower and a general washing facility.

**Advice to Doctor** Treat symptomatically.

**Other Information** For advice in an emergency, contact a Poisons Information Centre (Phone Australia 13 1126; New Zealand 0800 POISON / 0800 764 766) 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** 1W

**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** For industrial applications: 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

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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 value assigned for this specific material by the National Occupational Health and Safety Commission (NOHSC), Australia or the Occupational Safety and Health Service (OSH) of the New Zealand Department of Labour. However, the available exposure limits for ingredients are listed below:

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

Substance	TWA		STEL		NOTICES
	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>	
Potassium persulphate	-	0.01(peak)	-	-	-

New Zealand Occupational Safety and Health Service (OSH) Workplace Exposure Standards:

Substance	TWA		STEL		NOTICES
	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>	
Magnesite	-	10	-	-	-

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.

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.

**Engineering Controls** Where dust or mists are generated and exposure standards are exceeded in industrial applications, the use of a local exhaust ventilation system is recommended.

**Respiratory Protection** 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.

**Eye Protection** Chemical safety goggles or face shield required as appropriate. Refer to the Australian Standard AS/NZS 1337- Eye Protectors for Industrial Applications.

**Hand Protection** 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.

**Body Protection** 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.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance** White granule, free flowing solid, odourless.

**Melting Point** Decomposes on heating

**Boiling Point** Decomposes on heating

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<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

## 10. STABILITY AND REACTIVITY

<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.

## 11. TOXICOLOGICAL INFORMATION

<b>Toxicology Information</b>	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.



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## 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>	<p>Australia: This material is classified as a class 5.1 (Oxidising agent) Dangerous Good and subsidiary Class 8 (Corrosive Substances) according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. The substances that fall into this classification are incompatible in a placard load with any of the following:</p> <ul style="list-style-type: none"><li>- Class 1, Explosives</li><li>- Division 2.1, Flammable Gases</li><li>- Division 2.3, Toxic Gases</li><li>- Class 3, Flammable Liquids</li><li>- Division 4.1, Flammable Solids</li><li>- Division 4.2, Spontaneously Combustible Substances</li><li>- Division 4.3, Dangerous When Wet Substances</li><li>- Division 5.1, Oxidising Agents</li><li>- Division 5.2, Organic Peroxides</li><li>- Class 6, Toxic or Infectious Substances, if the Class 6 dangerous goods are cyanides and the Class 8 dangerous goods are acids; if the Class 6 substance is a fire risk substance</li><li>- Class 7, Radioactive Substances</li></ul> <p>and are incompatible with food and food packaging in any quantity. Strong acids must not be loaded in the same freight container or on the same vehicle with strong alkalis. Packing Group I and II acids and alkalis should be considered as strong.</p> <ul style="list-style-type: none"><li>- Class 9, Miscellaneous Dangerous Goods, if the Class 9 substance is a fire risk substance</li><li>- Fire risk substances</li><li>- Combustible liquids</li></ul> <p>New Zealand: This material is classified as a class 5.1 (Oxidising agent) Dangerous Good and subsidiary Class 8 (Corrosive Substances) according to NZS 5433:2007 Transport of Dangerous Goods on Land. Must not be loaded in the same freight container or on the same vehicle with:</p> <ul style="list-style-type: none"><li>- Class 1, Explosives</li><li>- Class 2.1, Flammable gases</li><li>- Class 2.3, Toxic gases</li><li>- Class 3, Flammable liquids</li><li>- Class 4.2, Spontaneously combustible substances</li><li>- Class 4.3, Dangerous When wet</li><li>- Class 5.1, Oxidising substances</li><li>- Class 5.2, Organic peroxides</li><li>- Class 6.2, Infectious substances</li><li>- Class 7, Radioactive materials unless specifically exempted</li></ul>
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- Class 8, Corrosives  
And are incompatible with food and food packaging in any quantity.  
Note 1: Cyanides (Class 6.1) must not be loaded in the same freight container or on the same vehicle with acids (Class 8).  
Note 2: Strong acids must not be loaded in the same freight container or on the same vehicle with strong alkalis. Packing Group I and II acids and alkalis should be considered as strong.  
Must not be loaded with in the same freight container; and on the same vehicle must be separated horizontally by at least 3 metres unless all but one are packed in separate freight containers with:  
- Class 4.1, Flammable Solids  
- Class 4.3, Dangerous when wet substances  
- Class 6.1, Toxic Substances  
- Class 7, Radioactive Materials unless specifically exempted  
Goods of packing group II or III may be loaded in the same freight container or on the same vehicle if transported in segregation devices with:  
- Flammable Liquids (Class 3),  
- Class 4.1, Flammable Solids  
- Class 4.2, Spontaneously Combustible Substances  
- Class 4.3, Dangerous When Wet Substances  
- Class 5.1, Oxidising substances  
- Class 5.2, Organic peroxides  
- Class 6.1, Toxic Substances  
- Class 6.2, Infectious Substances  
- Class 8, Corrosive Substances  
And are incompatible with food and food packaging in any quantity.  
3085

**U.N. Number**

**Proper Shipping Name** OXIDIZING SOLID, CORROSIVE, N.O.S. - (CONTAINS POTASSIUM PEROXYMONOSULPHATE & POTASSIUM BISULPHATE)

**DG Class** 5.1

**Sub.Risk** 8

**Hazchem Code** 1W

**Packaging Method** 1kg and 475g pack.

**Packing Group** III

**EPG Number** 5C2

**IERG Number** 31

## 15. REGULATORY INFORMATION

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

**Poisons Schedule** S5

**National and or International Regulatory Information** New Zealand:  
Classified as Hazardous according to the New Zealand Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001.  
Oxidising [5.1.1], Corrosive Substances Group Standard 2006  
HSNO Approval Number: HSR002632.

**NZIC Statement:**

All components of this product are listed on the New Zealand Inventory of Chemicals (NZIC).

**HSNO Approval Number** HSR002632.

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<b>Packaging &amp; Labelling</b>	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; product however is labelled in accordance with the National Occupational Health and Safety Commission's 'National Code of Practice for the Labelling of Workplace Substances'.
<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: June 2010 Supersedes: May 2009, December 2003
<b>Contact Person/Point</b>	Rob Anderson - Managing Director: Ph: 61 3 8795 7155 (Business hours) Freecall: 1800 648 959 Email: <a href="mailto:info@poolpoppits.com.au">info@poolpoppits.com.au</a> . ...End Of MSDS...

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