

Material Safety Data Sheet



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Infosafe No. ACRRG Issue Date : April 2007	ISSUED by POOLSPAP
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Product Name : **POPPIT SPA pH REDUCER**

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name POPPIT SPA pH REDUCER
Company Name POOL & SPA POPPITS PTY. LTD. (ABN 53 569 007 940)
Address 12 Conquest Way Hallam
VIC 3803 Australia
Telephone/Fax Number Tel: (03) 8795 7155
Fax: (03) 8795 7144
Recommended Use Decreasing the pH levels of the spa water.
Other Names Name Product Code
Dry Acid
Sodium Bisulphate

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.
S20/21 When using, do not eat, drink or smoke.
S22 Do not breathe dust.
S24/25 Avoid contact with skin and eyes.
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
	Sodium bisulphate	7681-38-1	90-100 %
	Sodium sulphate	7757-82-6	0-10 %
	Other Ingredients Determined As Non-hazardous		Balance

4. FIRST AID MEASURES

Inhalation Remove the source of contamination or move the victim to fresh air. Ensure airways are clear and have qualified person give oxygen through a face mask if breathing is difficult. If symptoms develop, seek medical attention.
Ingestion DO NOT induce vomiting. Immediately wash out mouth with water. Seek 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 symptoms develop, seek IMMEDIATE medical attention.
Eye If contact with the eye(s) occurs, wash with copious amounts of water holding eyelid(s) open. Take care not to rinse contaminated water into the non-affected eye. Seek immediate medical attention.
First Aid Facilities An eye wash fountain, safety shower and a normal washing facility.
Advice to Doctor Treat symptomatically.

5. FIRE FIGHTING MEASURES

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Suitable Extinguishing Media Use appropriate fire extinguisher for surrounding environment.

Specific Hazards Non flammable however at high temperature: heating can cause expansion or decomposition leading to violent rupture of containers. Will also evolve irritating, corrosive or toxic fumes of SO_x under fire conditions. If in contact with water, the product turns into an acid solution. The aqueous solution is corrosive and attacks many metals with liberation of hydrogen which is inflammable and forms explosive mixtures with air.

Hazchem Code 2X

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

6. ACCIDENTAL RELEASE MEASURES

Emergency Procedures Increase ventilation. Evacuate all unnecessary personnel. Wear sufficient respiratory protection and full protective clothing to avoid skin and eye exposure. Sweep up material avoiding dust generation and then transfer material to a suitable container for re-use or disposal if contaminated on spillage. Wash surfaces well, with soap and water. Seal all wastes in vapour tight labelled plastic containers for eventual 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 Avoid generating dust. Use smallest possible amounts in designated areas with adequate ventilation. Have emergency equipment (for fires, spills, leaks, etc.) readily available. Label containers. Keep containers closed when not in use. Wear appropriate protective equipment to prevent inhalation, skin and eye contact. Ensure a high level of personal hygiene is maintained when using this product. That is; always wash hands before eating, drinking, smoking or using the toilet.

Conditions for Safe Storage Corrosive. Store in a cool, dry, well-ventilated area, out of moisture and heat. Keep container off wet floor. Store in tightly-closed containers. Store away from foodstuff. Keep containers closed when not in use and securely sealed and protected against physical damage. Inspect regularly for deficiencies such as damage or leaks. Store away from incompatible materials.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

National Exposure Standards No exposure standards have been established for this material, however, the TWA National Occupational Health And Safety Commission (NOHSC) exposure standards for dust not otherwise specified is 10 mg/m³. As published by the National Occupational Health and Safety Commission (NOHSC): TWA - the Time-Weighted Average airborne concentration over an eight-hour working day, for a five-day working week over an entire working life. According to current knowledge these concentrations should neither impair the health of, nor cause undue discomfort to, nearly all workers.

Engineering Controls Use in well ventilated areas. In confined spaces, the use of local exhaust ventilation system is recommended.

Respiratory Protection Where sufficient ventilation is not available, avoid breathing dust by wearing an AS 1716 approved P1 or P2 particulate filter respirator. 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.

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

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Hand Protection Impervious gloves (ie. nitrile, neoprene rubber) recommended. 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 clothing should be worn e.g. cotton overalls buttoned at neck and wrist. When this product is handled the use of plastic aprons and rubber boots is recommended.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance White powder or crystals.

Odour Odourless

Melting Point 180°C

Boiling Point Not applicable

Solubility in Water 280 g/l @ 25°C.

Specific Gravity 2.435 (water=1)

pH Value 1.3 (1% solution)

Vapour Pressure Not available

Density 1.4 - 1.5 kg/L (Bulk density)

Flash Point Not available

Flammability Non combustible. Decomposes at high temperature.

Flammable Limits - Lower Not available

Flammable Limits - Upper Not available

10. STABILITY AND REACTIVITY

Chemical Stability Stable under normal conditions.

Conditions to Avoid Heat, water direct to product.

Incompatible Materials If in contact with water, the product turns into an acid solution. The aqueous solution is corrosive and attacks many metals with liberation of hydrogen which is inflammable and forms explosive mixtures with air.

Hazardous Decomposition Products Oxides of sulphur.

Hazardous Polymerization Will not occur.

11. TOXICOLOGICAL INFORMATION

Toxicology Information No toxicity data is available for this material.

Inhalation Inhalation of dusts 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 may cause nausea, vomiting, abdominal pain and chemical burns to the mouth, throat and stomach.

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Skin	Skin contact will cause redness, itching, irritation, severe pain and chemical burns with resultant tissue destruction.
Eye	Eye contact will cause stinging, blurring, tearing, severe pain and possible permanent corneal damage.
Chronic Effects	Prolonged or repeated contact with this material will result in skin irritation and possibly lead to dermatitis. Repeated or prolonged exposure may also lead to permanent tissue scarring, pulmonary oedema, pneumonitis. May also aggravate existing respiratory disorders.

12. ECOLOGICAL INFORMATION

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

13. DISPOSAL CONSIDERATIONS

Disposal Considerations	Dispose of waste according to federal, EPA, state and local regulations.
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14. TRANSPORT INFORMATION

Transport Information 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.

U.N. Number	3260
Proper Shipping Name	CORROSIVE SOLID, ACIDIC, INORGANIC, N.O.S. - (CONTAINS SODIUM BISULPHATE)
DG Class	8
Hazchem Code	2X
Packaging Method	750g pack
Packing Group	III
IERG Number	37

15. REGULATORY INFORMATION

Poisons Schedule	Not Scheduled
Hazard Category	Corrosive

16. OTHER INFORMATION

Date of preparation or last revision of MSDS	MSDS Reviewed: April 2007 MSDS Created: December 2003
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Product Name : **POPPIT SPA pH REDUCER**

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...End Of MSDS...