



Material Safety Data Sheet

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Infosafe No™ ACRQG

Issue Date : May 2009

ISSUED by POOLSPAP

Product Name : **POPPITS COPPER ALGICIDE**

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name POPPITS COPPER ALGICIDE
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 To kill algae in swimming pools.

2. HAZARDS IDENTIFICATION

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

Risk Phrase(s) R22 Harmful if swallowed.
R36/38 Irritating to eyes and skin.
R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety Phrase(s) S2 Keep out of reach of children.
S20 When using do not eat or drink.
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.
S60 This material and its container must be disposed of as hazardous waste.
S61 Avoid release to the environment. Refer to special instructions/safety data sheet.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	Name	CAS	Proportion
	Copper Sulphate Pentahydrate	7758-99-8	>60-100 %
	Sulphuric acid	7664-93-9	0-<1 %
	Water	7732-18-5	Balance

4. FIRST AID MEASURES

Inhalation If inhaled, remove affected person from contaminated area. Keep at rest until recovered. If symptoms persist seek medical attention.

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

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

Eye If in eyes, hold eyelids apart and flush the eyes continuously with running water. Continue flushing for several minutes until all contaminants are washed out completely. Seek 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 sulphur and copper.

Products Specific Hazards Non-flammable. Closed container exposed to heat may explode.

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 Increase ventilation. Evacuate all unprotected personnel. Wear sufficient respiratory protection and full protective clothing to prevent exposure. Sweep up material avoiding dust generation or dampen spilled material with water to avoid airborne dust, then transfer material to a suitable container. Wash surfaces well with soap and water. Seal all wastes in labelled plastic containers for subsequent recycling or disposal. Dispose of waste according to the applicable local and national regulations. If contamination of sewers or waterways occurs inform the local water authorities and EPA in accordance with local regulations.

7. HANDLING AND STORAGE

Precautions for Safe Handling Use only in a well ventilated area. Keep containers sealed when not in use. Prevent the build up of dust in the work atmosphere. Avoid inhalation of dust, and skin or eye contact. Maintain high standards of personal hygiene ie. Washing hands prior to eating, drinking, smoking or using toilet facilities.

Conditions for Safe Storage Store in a cool, dry, well-ventilated area, away from direct sunlight and moisture. Store away from incompatible materials. Do not store or consume food, drink or smoke in areas where they may become contaminated with this material. Store away from structural steel. Minimise dust generation and accumulation.

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. 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 ³	ppm	mg/m ³
Sulphuric 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 limit allocated.

Engineering Controls Use in well ventilated areas. If dust is produced, in industrial applications, local exhaust ventilation should be used.

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 The use of chemical goggles or safety glasses with side shield protection complying with AS/NZS 1337 is recommended.

Hand Protection The use of impervious chemical (synthetic rubber, neoprene) gloves recommended. 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 for industrial applications. Industrial clothing should conform to the specifications detailed in AS/NZS 2919: Industrial clothing.



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9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear, blue crystalline granules.
Odour	Not available
Melting Point	110°C
Boiling Point	150°C
Solubility in Water	100 g/l at 20°C
Solubility in Organic Solvents	Soluble in methanol and slightly soluble in alcohol and glycerol.
Specific Gravity	2.28 (water=1)
pH Value	4 (0.2M solution)
Vapour Pressure	Not applicable
Flash Point	Not available
Flammability	Non flammable
Flammable Limits - Lower	Not available
Flammable Limits - Upper	Not available

10. STABILITY AND REACTIVITY

Chemical Stability	Stable under normal conditions of storage and handling.
Conditions to Avoid	Heat and moist air.
Incompatible Materials	Acetylene gas, aluminium powder, hydroxylamine and magnesium.
Hazardous Decomposition Products	Thermal decomposition may result in the release of toxic and/or irritating fumes including oxides of sulphur and copper.
Hazardous Polymerization	Will not occur.

11. TOXICOLOGICAL INFORMATION

Toxicology Information	Acute toxicity data for copper sulphate: LD50 (Oral,Rat): 300 mg/kg.
Inhalation	Dust may cause irritation to the mucous membrane and upper airways. Symptoms of exposure can include sneezing and coughing.
Ingestion	Harmful if swallowed. May cause irritation to the mouth, oesophagus, and stomach. Symptoms can include nausea, vomiting, abdominal pain, ulceration and diarrhoea. May cause haemorrhaging of the digestive tract.
Skin	Will also cause irritation in contact with the skin, which can result in redness, stinging, itching resulting in dermatitis.
Eye	Will cause irritation in contact with the eyes, which can result in redness and lachrymation.
Chronic Effects	Repeated or prolonged exposure to this material will lead to skin irritation and possible dermatitis. Repeated exposure to the dust or fumes can damage the liver and/or lungs. It can also cause copper to deposit in the skin and hair, leaving a green colour. Prolonged or repeated eye contact may cause conjunctivitis. This substance has adverse reproductive and foetal effects in animals. Copper is an essential element and its level in the body is strictly controlled. Under most conditions, excess copper is excreted in the urine and faeces.

12. ECOLOGICAL INFORMATION

Ecotoxicity	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Persistence / Degradability	Not available



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Mobility Not available
Environ. Protection Prevent this material from entering the environment.

13. DISPOSAL CONSIDERATIONS

Disposal Considerations Dispose of waste according to Environmental Protection Authority, federal, state and local regulations.

14. TRANSPORT INFORMATION

Transport Information Not classified as a Dangerous Good according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.
Packaging Method Pack 1 Blue in 60 g sachet x 2

15. REGULATORY INFORMATION

Regulatory Information 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 S6
Hazard Category Harmful, Irritant, Dangerous for the environment
AICS (Australia) All components of this product are listed on the Australian Inventory of Chemical Substances (AICS).

16. OTHER INFORMATION

Date of preparation or last revision of MSDS MSDS Reviewed: May 2009
Supersedes: December 2003.
Contact Person/Point Rob Anderson - Managing Director:
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Freecall: 1800 648 959
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