



Material Safety Data Sheet

CS: 1.4.46

Infosafe No™ ACRSN	Issue Date :May 2009	ISSUED by POOLSPAP
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Product Name : **TEST KIT**

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name TEST KIT

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 Pool and spa test kit.

2. HAZARDS IDENTIFICATION

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

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	Name	CAS	Proportion
	Potassium Permanganate	7722-64-7	1-<10 %
	Other ingredients determined not to be hazardous, including water		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 with water. If irritation develops, seek medical attention.

Skin Wash gently and thoroughly with water. If irritation develops, 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. If symptoms develop and persist seek medical attention.

First Aid Facilities 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 immediately

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media Use extinguishing media suitable for surrounding environment.

Hazards from Combustion Products Under fire conditions will release oxygen.

Specific Hazards Non-flammable, non combustible. However once all the water has been driven off, potassium permanganate gives off oxygen, which increases the fire hazard, increasing the burning rate or causing spontaneous ignition of combustible materials with which it comes in contact. Fire-exposed containers may rupture / explode.

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



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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 Use only in a well ventilated area. Keep containers sealed when not in use. Prevent the build up of mists or vapours in the work atmosphere. Avoid inhalation of vapours and mists, 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. Store away from incompatible materials such as flammable/combustible materials, reducing materials and strong acids. Keep containers tightly closed when not in use and when empty. Keep product in its original container. Protect from damage. Inspect regularly for deficiencies such as damage or leaks. Do not store or consume food, drink or smoke in areas where they may become contaminated with this material.

Corrosiveness Not corrosive to steel or aluminium.

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 TWA exposure standard for manganese (dust and compounds) is 1 mg/m³. 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. As with all chemicals, exposure should be kept to the lowest possible levels.

Biological Limit Values No biological limit allocated.

Engineering Controls Use with good general ventilation. For industrial applications, if vapors are produced, local exhaust ventilation should be used.

Respiratory Protection Where ventilation is inadequate the use of an approved respirator with filter complying with AS/NZS 1715 and AS/NZS 1716 is recommended. 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 For industrial applications, the use of chemical goggles or safety glasses with side shield protection complying with AS/NZS 1337 is recommended.

Hand Protection Not required under normal conditions of use. The use of PVC or neoprene rubber gloves recommended when handling large quantities.

Body Protection For industrial applications, suitable protective workwear, e.g. cotton overalls buttoned at neck and wrist is recommended.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance Purple aqueous solution

Odour Odourless

Melting Point Not available

Boiling Point Not available

Solubility in Water 64 g/l at 20°C

Solubility in Organic Solvents Very soluble in methanol and acetone; soluble in sulphuric acid, trifluoroacetic acid, acetic anhydride, pyridine, benzonitrile, sulfolane.

Specific Gravity Not available

pH Value Not available



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Vapour Pressure	Not available
Vapour Density (Air=1)	Not applicable
Flash Point	Not applicable
Flammability	Not flammable or combustible but assists combustion of other substances.
Auto-Ignition Temperature	Not applicable
Flammable Limits - Lower	Not applicable
Flammable Limits - Upper	Not applicable

10. STABILITY AND REACTIVITY

Chemical Stability	Stable under normal conditions of storage and handling.
Conditions to Avoid	Heat.
Incompatible Materials	Organic materials (including all flammable and combustible materials). Reducing (Oxidisable) materials. Concentrated acids especially sulphuric, nitric, and hydrochloric acid. Hydrogen peroxide Some metals (e.g. Antimony, Arsenic, Titanium).
Hazardous Decomposition Products	Will release oxygen when heated, intensifying a fire.
Hazardous Reactions	Organic materials (including all flammable and combustible materials). Reducing (Oxidisable) materials - Reaction may cause fire. Concentrated acids (especially sulphuric, nitric, and hydrochloric acid) - May react violently and give off toxic gases. Reaction with hydrochloric acid gives chlorine gas; reaction with nitric acid gives nitrous oxide. Hydrogen peroxide - May react violently. Some metals (e.g. Antimony, Arsenic, Titanium) - May react explosively.
Hazardous Polymerization	Will not occur.

11. TOXICOLOGICAL INFORMATION

Toxicology Information	No toxicity data available for this material. The available toxicity data for the ingredients are as follows: Potassium permanganate : LD50 (Oral,Rat): 750 mg/kg.
Inhalation	Inhalation of product vapours may cause irritation of the nose, throat and respiratory system.
Ingestion	Ingestion of large quantities may cause irritation to the gastrointestinal system. Symptoms can include nausea, vomiting and diarrhoea.
Skin	May cause mild irritation to individuals with sensitive skin.
Eye	May cause irritation in contact with the eyes, including redness, stinging and lachrymation.
Chronic Effects	Repeated or prolonged exposure to this material may lead to skin irritation and possible dermatitis.

12. ECOLOGICAL INFORMATION

Ecotoxicity	Not available
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 Environmental Protection Authority, federal, state and local regulations.
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14. TRANSPORT INFORMATION

Transport Information This material is classified as a Class 5.1 Dangerous Good according to the Australian Code for the Transport of Dangerous Goods. Class 5.1 oxidising agents shall not be loaded or packed in the same vehicle or freight as:

- Explosives (class 1)
- Flammable Gases (class 2.1)
- Toxic Gases (class 2.3)
- Flammable Liquids (class 3),
- Flammable Solids (4.1)
- Spontaneously Combustible Substances (class 4.2)
- Dangerous When Wet Substances (class 4.3)
- Organic Peroxides (class 5.2)
- Toxic Substances (class 6) (where the toxic substances are fire risk substances)
- Radioactive Substances (class 7)
- Corrosive Substances (class 8)
- Miscellaneous Dangerous Goods (class 9) (where the miscellaneous dangerous goods are fire risk substances), or Fire Risk substances or Combustible Liquids.

U.N. Number 3214

Proper Shipping Name PERMANGANATES, INORGANIC, AQUEOUS SOLUTION, N.O.S.

DG Class 5.1

Hazchem Code 2X

Packaging Method 30 ml pack.

Packing Group II

EPG Number 5A1

IERG Number 31

15. REGULATORY INFORMATION

Regulatory Information Not 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 S6

Packaging & Labelling 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; however is labelled in accordance with the National Occupational Health and Safety Commission's 'National Code of Practice for the Labelling of Workplace Substances'.

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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