

MSDS

POTASSIUM PERMANGANATE Aqueous Solutions

Material Safety Data Sheet

Section 1: Chemical Product and Company Identification

Catalog Number:

6354, 6355, 6357, 6359, 6360, 6365, 6370, 6372, 6386, 6388, 6390, 6395, 6400, 6400.1P, 6401, 6402, 6403, 6405, 6406, 6408, 6408.28, 6409, 6410, 6411, 6412, 6415, 6420, LS-101, M00I0250, P-494, P-500, P-505, P-508, P-510, P-511, P-521, P-522, P072060, P072070, P072080, P072090, P072100, P072110, P072120, P072150, P072160, P072180, P072200, P072290, P072300, P072380, P072400, PX-1024, PX-1025, PX-1114, PX-1172, PX-901, PX-917, PX-925, PX-931, PX-937, R6354200, R6354300, R6368000, R6380000, R6410100, SP072060, SP072080, SP072090, SP072100, SP072110, SP072120, SP072150, SP072160, SP072180, SP072200, SP072290, SP072300, SP072380, SP072400, TXRC6400, TXRC6404, TXRC6405

Product Identity:

POTASSIUM PERMANGANATE Aqueous Solutions

Manufacturer's Name:

RICCA CHEMICAL COMPANY LLC

Emergency Contact(24 hr) -- CHEMTREC®

Domestic: 800-424-9300
International: 703-527-3887

CAGE Code: 4TCW6, 0V553, 4XZQ2

Address:

448 West Fork Dr
Arlington, TX 76012

Telephone Number For Information:

817-461-5601

Date Prepared:

5/21/99

Revision: 24

Last Revised: 02/18/2010
Date Printed: 05/20/2010 6:45:55 pm

Section 2. Composition/Information on Ingredients

Component	CAS Registry #	Concentration	ACGIH TLV	OSHA PEL
Potassium Permanganate	7722-64-7	<= 5	Not Available Not Available	Not Available Not Available
Water, Deionized	7732-18-5	Balance	Not Available Not Available	Not Available Not Available

Section 3: Hazard Identification

Emergency Overview: Harmful if swallowed. If ingested, dilute immediately with water, induce vomiting, and call a physician. May cause irritation to areas of contact. Wash areas of contact with plenty of water. For eyes, get medical attention.

Target Organs: eyes, skin, gastrointestinal system.

Eye Contact: May cause irritation, redness, pain, and tearing.

Inhalation: Not likely to be hazardous by inhalation.

Skin Contact: May cause irritation, redness, and pain.

Ingestion: Large quantity may cause burning of the throat, nausea, vomiting, and abdominal pain.

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Chronic Effects/Carcinogenicity: Prolonged or repeated exposure may cause dermatitis.

IARC - No.

NTP - No.

OSHA - No.

Reproductive Information: Reproductive effects cited in 'Registry of Toxic Effects of Chemical Substances' for Potassium Permanganate.

Reproductive effects cited in 'Registry of Toxic Effects of Chemical Substances' for Potassium Permanganate.

Teratology (Birth Defect) Information: Mutation data cited in 'Registry of Toxic Effects of Chemical Substances' for Potassium Permanganate.

Mutation data cited in 'Registry of Toxic Effects of Chemical Substances' for Potassium Permanganate.

Section 4: First Aid Measures - In all cases, seek qualified evaluation.

Eye Contact: Irrigate immediately with large quantity of water for at least 15 minutes. Call a physician if irritation develops.

Inhalation: Remove to fresh air. Give artificial respiration if necessary. If breathing is difficult, give oxygen.

Skin Contact: Flush with plenty of water for at least 15 minutes. Call a physician if irritation develops.

Ingestion: Dilute immediately with water or milk. Induce vomiting. Call a physician.

Section 5: Fire Fighting Measures

Flash Point: Not Available.

Method Used: Not Available.

LFL: Not Available.

UFL: Not Available.

Extinguishing Media: Use any means suitable for extinguishing surrounding fire.

Fire & Explosion Hazards: Not considered to be a fire or explosion hazard.

Fire Fighting Instructions: Use normal procedures/instructions.

Fire Fighting Equipment: Use protective clothing and breathing equipment appropriate for the surrounding fire.

Section 6: Accidental Release Measures

Absorb with suitable material and treat as normal refuse. Small amounts of the liquid may be flushed to the drain with excess water. Always dispose of in accordance with local regulations.

Section 7. Handling and Storage

As with all chemicals, wash hands thoroughly after handling. Avoid contact with eyes and skin. Protect from freezing and physical damage.

Safety Storage Code: General

Section 8: Exposure Control/Personal Protection

Engineering Controls: No specific controls are needed. Normal room ventilation is adequate.

Respiratory Protection: Normal room ventilation is adequate.

Skin Protection: Chemical resistant gloves.

Eye Protection: Safety glasses or goggles.

Section 9: Physical and Chemical Properties

Appearance: Purple colored liquid

Odor: Odorless

Solubility in Water: Infinite

Specific Gravity: Approximately 1.0 - 1.04

pH: Not Available.

Boiling Point(°C): Approximately 102

Melting Point(°C): Approximately -2

Vapor Pressure: Not Applicable.

Section 10: Stability and Reactivity

Chemical Stability: Stable under normal conditions of use and storage.

Incompatibility: Reducing agents, flammables, reactive organic materials, metals, Sulfuric Acid.

Hazardous Decomposition Products: Toxic oxides of Manganese may form when heated to decomposition.

Hazardous Polymerization: Will not occur.

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Section 11. Toxicological Information

LD50, Oral, Rat: 1090 mg/kg (Potassium Permanganate), details of toxic effects not reported other than lethal dose value.

Section 12. Ecological Information

Ecotoxicological Information: Manganese and its compounds have moderate acute and chronic toxicity to aquatic life.

Chemical Fate Information: Manganese and its compounds are highly persistent in water, with a half-life greater than 200 days.

Section 13. Disposal Considerations

Dilute with water and flush to sewer if local regulations allow. If not allowed, save for recovery or recycling in an approved waste disposal facility. Always dispose of in accordance with local, state and federal regulations.

Section 14. Transport Information

Part Numbers:

This product is not regulated.

Section 15. Regulatory Information (Not meant to be all inclusive - selected regulation represented)

OSHA Status: These items meet the OSHA Hazard Communication Standard (29 CFR 1910.1200) definition of a hazardous material.

TSCA Status: All components of this solution are listed on the TSCA Inventory or are mixtures (hydrates) of items listed on the TSCA Inventory.

Sara Title III:

Section 302 Extremely Hazardous Substances: Not Applicable.

Section 311/312 Hazardous Categories: Acute, Fire: Yes Chronic, Pressure, Reactivity: No

Section 313 Toxic Chemicals: Not Applicable.

California: None Reported.

Pennsylvania: Potassium Permanganate is listed as an Environmental Hazard on the state's Hazardous Substances List. Potassium Permanganate is listed as an Environmental Hazard on the state's Hazardous Substances List.

RCRA Status: Not Applicable.

CERCLA Reportable Quantity: Potassium Permanganate - 100 pounds. Potassium Permanganate - 100 pounds.

WHMIS: C: Oxidizing Material. E: Corrosive Material.



Section 16. Other Information

NFPA Ratings:

Health: 1

Flammability: 0

Reactivity: 0

Special Notice Key: None

HMIS Ratings:

Health: 1

Flammability: 0

Reactivity: 0

Protective Equipment: B (Protective Eyewear, Gloves)

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Rev 1, 9-27-2000: Reformatted from WordPerfect® to Microsoft Word®; (Section 1) Revised emergency telephone number to CHEMTREC® 800-424-9300, removed specific Normality and Percentage ranges from title, added catalog numbers 6354, 6400.1P and 6409; (Section 2) revised percent concentration from 0.003 - 5; (Section 7) added storage code.

Rev 2, 10-09-2001: Reformatted to electronic data format.

Rev 3, 03-12-2002: (Section 1) added catalog numbers 6359, 6408.28 and 6411.

Rev 4, 09-10-2002: (Section 1) added catalog numbers 6401 and 6402.

Rev 5, 09-26-2002: (Section 1) added Solutions Plus catalog number P072120.

Rev 6, 11-01-2002: (Section 1) added Solutions Plus catalog number P072180.

Rev 7, 12-06-2002: (Section 1) added Solutions Plus catalog numbers P072060, P072070, P072080, P072100, P072110, P072150, P072160, P072200, P072290, P072300, P072380 and P072400.

Rev 8, 01-08-2003: (Section 1) added Solutions Plus catalog number P072090.

Rev 9, 10-18-2004: (Section 1) added catalog number R6380000.

Rev 10, 10-20-2005: (Section 1) added Red Bird catalog numbers P-521, PX-925 and PX-937; (Section 15) added WHMIS information.

Rev 11, 11-16-2005: (Section 1) added Red Bird catalog number P-522.

Rev 12, 12-02-2005: (Section 1) added catalog number TXRC6404.

Rev 13, 03-02-2006: (Section 1) added Red Bird catalog number PX-1025.

Rev 14, 03-08-2006: (Section 1) added catalog number R6354300 and Red Bird catalog number PX-901.

Rev 15, 04-08-2006: (Section 1) added catalog number TXRC6405.

Rev 16, 05-04-2006: (Section 1) added Red Bird catalog number PX-1024.

Rev 17, 05-12-2006: (Section 1) added catalog number R6410100.

Rev 18, 10-02-2006: (Section 1) added catalog number R6354200.

Rev 19, 12-14-2006: (Section 1) added Red Bird catalog number P-505.

Rev 20, 03-26-2007: (Section 1) added Red Bird catalog numbers P-511, PX-917 and PX-1172.

Rev 21, 06-09-2008: (Section 1) added Red Bird catalog number PX-1114.

Rev 22, 07-09-2008: (Section 1) added internal part numbers M0010250 and LS-101.

Rev 23, 06-25-2009: (Section 1) added catalog number TXRC6400.

Rev 24, 02-18-2010: (Section 1) added catalog number R6368000.

When handled properly by qualified personnel, the product described herein does not present a significant health or safety hazard. Alteration of its characteristics by concentration, evaporation, addition of other substances, or other means may present hazards not specifically addressed herein and which must be evaluated by the user. The information furnished herein is believed to be accurate and represents the best data currently available to us. No warranty, expressed or implied, is made and RICCA CHEMICAL COMPANY assumes no legal responsibility or liability whatsoever resulting from its use.