

Material Safety Data Sheet



Red Bird Service

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Health:	1 - Slight
Fire:	0 - Minimal
Reactivity:	0 - Minimal

Product: Potassium Permanganate Solution

MSDS: 98476

Preparation Date: 4/27/99

Revision No: 6

Section 1 - Chemical Product and Company Identification

Product Chemical Name: Potassium Permanganate Solution

Chemical Formula:

CAS No:

Manufacturer: Red Bird Services PO Box 155 205 Western Avenue Osgood IN 47037

For Emergency, call Chemtree 24 hours a day...800-424-9300

Catalog P-500, P-507, PX-1114

Number:

Synonyms:

Section 2 - Composition / Information on Ingredients

Ingredient	CAS Number	% wt or N
Potassium Permanganate	7722-64-7	~ < 1 - Saturated
Water	7732-18-5	balance

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Section 2 - Composition / Information on Ingredients

OSHA PEL		ACGIH TLV		NIOSH REL		NIOSH
TWA	STEL	TWA	STEL	TWA	STEL	IDLH
5mg/m3	5mg/m3	0.2mg/m3	not listed	1mg/m3	3mg/m3	500mg/m3
not estab	not estab	not estab	not estab	not estab	not estab	not estab

Section 3 - Hazard Information

*** EMERGENCY OVERVIEW - Potential Health Effects ***

Primary Entry Route: Inhalation, digestion, skin contact

Target Organs: Eyes, skin, respiratory system, CNS

Acute Effects: Irritation of nose, eyes, skin, and mouth. Prolonged exposure may result in dermatitis.

Inhalation: Irritant to dangerous

Eye: Irritant

Skin: Irritant

Ingestion: Irritant

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Section 4 - First Aid Measures

Inhalation: Move to fresh air, give oxygen if difficulty in breathing. Get medical attention.

Eye Contact: Flush with water for at least 15 minutes, including under eyelids. Get medical attention.

Skin Contact: Flush with water for 15 minutes. If irritation persists, get medical attention.

Ingestion: Give water to drink to dilute material. Induce vomiting. Never give anything by mouth to anyone who is unconscious or convulsing. Get medical attention.

Special
Precautions: NA

Section 5 - Fire Fighting Measures

Flash Point: N/A

Burning Rate: N/A

Auto Ignition
Temperature: N/A

LEL: N/A

UEL: N/A

Flammability
Classification: 0

Extinguishing
Media: Use that of surrounding fire.

Unusual Fire/Explosion Hazards :

N/A

Hazardous Combustion Products:

None listed

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Section 6 - Accidental Release Measures

Spill/Leak Procedures:

Small Spills: Sprinkle with a little ferrous sulfate, and acidify, if necessary to promote the reduction reaction. Neutralize slurry with soda ash. Flush to drain.

Large Spills: For containment; dike far ahead of the spill. Absorb for collection and disposal. Do not release into sewer or waterways.

Regulatory Requirement: Follow applicable OSHA regulations (29 CFR 1910.120).

Section 7 - Handling and Storage

Handling Precautions: Wear safety glasses, goggles, or face shield, safety gloves, personal protective clothing, or respirator or airlines as required in section 8 in this MSDS.

Storage Requirement: Store in closed container, cool, dry, in well-ventilated area, away from source of heat, and incompatible materials.

Regulatory Requirement: See section 15 of this MSDS.

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Section 8 - Exposure Controls / Personal Protection

Engineering Controls: N/A

Ventilation: Provide general or local exhaust ventilation systems to maintain airborne concentrations below OSHA PELs (Sec 2). Local exhaust ventilation is preferred because it prevents contaminant dispersion into the work area by controlling it at its source.

Administrative Controls: N/A

Respiratory Protection: Seek professional advise prior to respirator selection and use, Follow OSHA respirator regulations (29 CFR 1910.134) and if necessary, wear a MSHA/NIOSH approved respirator. Select respirator based on it's suitability to provide adequate worker protection for given working conditions, level of airborne contamination, and presence of sufficient oxygen. For emergency or nonroutine operations (cleaning spills, reactor vessels or storage tanks), wear an SCBA. Warning! Air purifying respirators do not protect workers in oxygen-deficient atmospheres. If respirators are used, OSHA requires a written respiratory protection program that includes at least: medical certification, training, fit-testing, periodic environmental monitoring, maintenance, inspection, cleaning, and convenient, sanitary storage areas.

Protective Clothing / Equipment: Wear chemically protective gloves, boots, aprons, and gauntlets to prevent prolonged or repeated skin contact. Wear protective eyeglasses or chemical safety glasses. Per OSHA eye-and-face-ptection regulations (29 CFR 1910.133).

Safety Stations: Make emergency eyewash stations, safety/quick-drench showers, and washing facilities available in work area.

Contaminated Equipment: Separate contaminated work clothes from street clothes. Launder before reuse. Remove this material from your shoes and clean personal protective equipment.

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Section 9 - Physical and Chemical Properties

Physical State: liquid

pH: N/A

Odor Threshld: N/A

Boiling Point: 100 c

Vapor Press: 14

Freezing/ N/A

Vapor Density 0.7

Melting Point:

Formula Wgt: N/A

Viscosity: N/A

Density: N/A

Refract Index: N/A

Spec Gravity: ca 1

Surface Tension: N/A

Appearance A deep purple liquid with no odor.

% Volatile: 99+

Odor:

Other N/A

Solubility:

Evaporation >1

Rate:

Water Complete

Solubility:

Section 10 - Stability and Reactivity

Stability: Stable

Polymerization: Cannot not occur

Chemical This product has few incompatibilities.

Incompatibilities:

Conditions to High temperatures.

Avoid:

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Section 11 - Toxicological Information

Eye Effect: Irritation

Skin Effect: Irritation

Acute Inhalation Effects: Irritation to dangerous

Acute Oral Effects: Irritation

Chronic Effects: See section 3 in this MSDS.

Carcinogenicity: Not listed as

Mutagenicity: Not listed

Teratogenicity: Not listed

Section 12 - Ecological Information

Ecotoxicity: N/A

Environmental Fate: N/A

Environmental Transport: N/A

Environmental Degradation: N/A

Soil Absorption Mobility: N/A

Section 13 - Disposal Considerations

Disposal: See section 6 of this MSDS

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Section 14 - Transport Information

DOT Transportation Data (49 CFR 172.101)

Shipping Name: Not regulated

Shipping Symbols: N/A

Non-Bulk Packaging: N/A

Hazard Class: NA

Bulk Packaging: N/A

ID No: N/A

Quantity Limitations:

Packing Group: N/A

Passenger, Air, or Rail: N/A

Label: N/A

Cargo Aircraft Only: N/A

Special Provision: N/A

Vessel Stowage Requirements:

Packaging: N/A

Vessel Stowage: N/A

Exceptions:

Other: N/A

Section 15 - Regulatory Information

EPA Regulation:

RCRA hazardous waste number: Not listed (40 CFR 261.33)

RCRA hazardous Waste classification: (40 CFR 261.??): Not classified.

CERCLA hazardous Substance (40 CFR 302.4): not listed specific peer RCRA, Sec 3001; CWA, Sec 311 (b)(4); CWA, Sec 307(a),

CAA:

CERCLA Reportable Quality (RQ):

SARA 311/312 Codes:

SARA Toxic Chemical (40 CFR 372.65):

SARA EHS (Extremely hazardous substance)(40 CFR 355): Not listed, Threshold Planning Quality (TPQ) Not Listed

OSHA Regulations:

Air contaminant (29 CFR 1910.1000, Table Z-1-A):

OSHA Specifically Regulated Substance(29 CFR 1910.1000):

State Regulations: STCC Listed,

DOT(40 CFR 172.101 Append.):

ACGIH Threshold Limit Value:

MAK: not listed

TSCA: not listed

ANNEX I: not listed

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Section 16 - Other Information

Prepared By: Barb Campbell

Approved By: _____



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