

Hydro-Zone, Inc.
17800 Telegraph Road, Romulus, MI 48174 (734)247-4488
Emergency Telephone No.: 800-535-5053

MATERIAL SAFETY DATA SHEET

NFPA Hazard Rating:
Health – 0, Flammability – 0, Reactivity - 0

Keep away from combustible materials and ignition source.
Wash thoroughly after handling.
Empty containers may be hazardous due to retained residue.

DOT - Not Regulated

I. GENERAL INFORMATION -----
Code, Trade Name: PP1404, Potassium Permanganate Reagent
Chemical Name: Potassium Permanganate in Water
Chemical Family: Inorganic-Oxidizing Agent in Water

II. HAZARDOUS INGREDIENTS -----
* Potassium Permanganate CAS #7722-64-7 0.3% W/V
TLV: 5 mg/cu.m. (Mn) TXDS: orl-rat LD50: 1090mg/kg
OSHA-PEL: Not Established orl-hmn LDLO: 143 mg/kg
Carcinogenicity: Not listed (IARC).

IX. ENVIRONMENTAL PROTECTION -----
Spill Response: Absorb with sand or vermiculite and scoop up
and containerize for proper disposal.

Waste Disposal: Comply with all local, state and federal
regulations.

* Toxic chemical or chemicals subject to the reporting
requirements of Section 313, SARA Title III.

The above information is to be used only as a guide, and does not
profess to be all inclusive. Hydro-Zone shall not be held liable for
any damage resulting from the handling or contact with the above
product.

N/A = Not Available
Issue Date: 12/04
Revised:

III. HEALTH HAZARD DATA -----
Toxic by ingestion and inhalation. Causes irritation of
nasal and respiratory passages, gastrointestinal tract,
nausea, diarrhea, possible lung and stomach injury. Contact
can irritate eyes, skin and mucous membranes.
Routes of Entry: Ingestion, Inhalation.

First Aid:

Eyes: Flush with water for at least 15 min; get
immediate medical assistance.

Skin: Remove contaminated clothing and wash with soap
and water.

Inhalation: Move to fresh air & give artificial respiration
if breathing has stopped.

Ingestion: Induce vomiting if patient is conscious.

**GET MEDICAL ASSISTANCE FOR ALL CASES OF OVER
EXPOSURE!**

IV. PHYSICAL DATA -----
Boiling Point: N/A Specific Gravity: 1.00
Vapor Density: N/A
Water Solubility: Miscible
Appearance & Odor: Deep purple aqueous solution.

V. FIRE & EXPLOSION HAZARD DATA -----
Flash Point: Nonflammable
Extinguishing Media: Multi-purpose dry chemical or media
appropriate for surrounding materials.
Special Procedures: Wear self contained breathing apparatus
and protective clothing.
Unusual Fire & Explosion Hazards: Avoid contact with
oxidizable materials. Thermal decomposition produces toxic
fumes.

VI. REACTIVITY DATA -----
Conditions To Avoid: Contact with combustible material,
acids, reducing agents, certain metals, P, C, S, N₂H₄, and
organic materials. Explosive in contact with H₂SO₄ & H₂O₂.
Hazardous Combustion & Decomposition Products:
Manganese and potassium oxides.

VII. SPECIAL PROTECTION -----
Provide adequate general and local exhaust ventilation.
Protect eyes and skin with safety goggles and gloves.
Do not get in eyes, on skin or clothing.
Wear self contained breathing apparatus in high vapor areas.
Do not breathe vapors.

VIII. HANDLING AND STORAGE PRECAUTIONS -----
Keep container tightly closed.
Store in cool, dry, well ventilated area.
Store away from heat, acids, and oxidizers.