

MATERIAL SAFETY DATA SHEET

GENERAL STORAGE CODE GREEN

MSDS No. PP/714
 Revision Date January 4, 2012
 Approved by James A. Bergey

Section 1 Chemical Product and Company Information

Product **POTASSIUM PERMANGANATE, 2% SOLUTION**

Synonyms Potassium Permanganate, Water Solution

CHEMTREC 24 Hour Emergency Phone Number 1-800-421-9300

Section 2 Hazards Identification

Emergency Contact:

WARNING:

HARAZDUS IF SWALLOWED. MAY CAUSE IRRITATION.

Avoid contact with skin, eyes and mucous membranes. Avoid inhalation of vapors.

| Health | 2 |
|------------|---|
| Flammable | |
| Corrosive | |
| Reactivity | |
| Contact | |

HMS1 *

Section 3 Composition / Information on Ingredients

| Chemical Name | CAS # | TLV Units |
|------------------------|-----------|-------------------------------------------------|
| Potassium permanganate | 7722-84-7 | TYVA: 5 mg/m ³ air as manganese dust |
| Water | 7732-18-5 | None established (ACGIH 2001) |

Section 4 First Aid Measures

INGESTION: Call physician or Poison Control Center immediately. Induce vomiting only if advised by appropriate medical personnel. Never give anything by mouth to an unconscious person.

INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

EYE CONTACT: Check for and remove contact lenses. Flush thoroughly with water for at least 15 minutes. Bring applicator and user eyeglasses separately. Get immediate medical attention.

SKIN CONTACT: Remove contaminated clothing. Flush thoroughly with mild soap and water. If irritation occurs, get medical attention.

Section 5 Fire Fighting Measures

General information: In fire conditions, wear a NIOSH/MSHA-approved self-contained breathing apparatus and full protective gear. In fire conditions, water may evaporate from this solution which may cause hazardous decomposition products to be formed as dust or fume.

Extinguishing Media: Use any media suitable for extinguishing supporting fire.

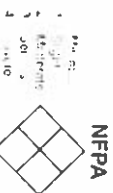
Flash Point: N/A

Autoignition temperature: N/A

Explosion Limits: Lower: N/A Upper: N/A

Section 6 Accidental Release Measures

Use proper personal protective equipment as indicated in Section 8. Provide adequate ventilation. Absorb with an absorbent dry material. Sweep or vacuum up and place in a suitable container for proper disposal. Wash spill area with soap and water. Avoid runoff into storm sewers and ditches which lead to waterways.



Section 7 Handling & Storage

Read label on container before using. Do not wear contact lenses when working with chemicals. Keep container tightly closed. For laboratory use only. Not for drug, food or household use. Keep out of reach of children. **Handling:** Use with adequate ventilation. Avoid contact with eyes, skin and clothing. Avoid ingestion. Do not inhale vapors, spray or mist. Wash thoroughly after handling. Remove and wash clothing before reuse. **Storage:** Store in a cool, dry, well-ventilated area away from incompatible substances.

Section 8 Exposure Controls / Personal Protection

Engineering controls: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower and fire extinguishing material. Personnel should wear safety glasses, goggles or face shield, lab coat or apron, appropriate protective gloves. Use adequate ventilation to keep airborne concentrations low.

Respiratory protection: Use a chemical fume hood and/or wear a NIOSH/MSHA approved respirator.

Section 9 Physical & Chemical Properties

Physical state: Liquid.
Appearance: Purple, water-like.
Odor: No odor
 pH: N/A
Vapor pressure (mm Hg): 14 (water)
Vapor Density (Air = 1): 0.7 (water)
Evaporation rate (Ether = 1): > 5
Viscosity: N/A

Section 10 Stability & Reactivity

Chemical stability: Stable

Conditions to avoid: Exposure to incompatible materials and excessive temperatures.

Incompatibilities with other materials: Alcohols, arsenites, bromides, iodides, iodates, charcoal, hydrochloric acid, organic materials, ferrous or mercurous salts, hypophosphites, hyposulfites, sulfites, peroxides, oxalates, strong reducing agents, strong acids, formaldehyde, ethylene glycol, combustible organics, metal powders.

Hazardous decomposition products: Oxygen oxides of potassium, oxides of manganese.

Section 11 Toxicological Information

Effects of overexposure: Harmful by ingestion. May cause irritation. To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated. Specific data is not available. Exercise appropriate procedures to minimize potential hazards.

RIECS # SD6475 (Potassium permanganate solid)
 ORL RAT LD50: 1190 mg/kg (Potassium permanganate solid)
 ORL MOUSE LD50: 2157 mg/kg (Potassium permanganate solid)

Section 12 Ecological Information

Harmful to aquatic life in very low concentrations.

Section 13 Disposal Considerations

These disposal guidelines are intended for the disposal of catalog-size quantities only. Federal regulations may apply to empty container. State and/or local regulations may be different. Dispose of in accordance with all local, state and federal regulations or contact with a licensed chemical disposal agency.

Section 14 Transport Information

UNNA number: N/A
 Shipping name: Not Regulated.
 Hazard class: N/A
 Packing group: N/A
 Exceptions: N/A

Section 15 Regulatory Information

TSCA-listed, EINECS-listed (23-76-31), RCRA code D104 (Potassium permanganate solid).

Section 16 Additional Information

The information contained herein is given as true and accurate to the best of our knowledge. It is intended for use only in the laboratory setting. It is not intended for use in any other setting. The user is responsible for the safe use of this material. No liability is assumed for any damage or injury resulting from the use of this material. No liability is assumed for any damage or injury resulting from the use of this material. No liability is assumed for any damage or injury resulting from the use of this material.

