

# Material Safety Data Sheet

## Potassium Permanganate

ACC# 19520

### Section 1 - Chemical Product and Company Identification

**MSDS Name:** Potassium Permanganate**Catalog Numbers:** AC196750250, AC207740250, S71982-1, S72224B, S77642, S77645, NC9556435, NC9648879, NC9667433, NC9899397, NC9905765, P279-212, P279-3, P279-500, P287-212, P287-500, XXP27910KG, XXP28750KG, XXP28750KG/F, XXP28750LB**Synonyms:** Permanganic acid, potassium salt; Permanganate of potash**Company Identification:**

Fisher Scientific  
1 Reagent Lane  
Fair Lawn, NJ 07410

**For information, call:** 201-796-7100**Emergency Number:** 201-796-7100**For CHEMTREC assistance, call:** 800-424-9300**For International CHEMTREC assistance, call:** 703-527-3887

### Section 2 - Composition, Information on Ingredients

CAS#	Chemical Name	Percent	ETNECS/ELINCS
7722-64-7	Permanganic permanganate	100	231-760-3

**Hazard Symbols:** XN O N**Risk Phrases:** 22 8 50/53

### Section 3 - Hazards Identification

#### EMERGENCY OVERVIEW

**Appearance:** dark purple solid. **Danger!** Strong oxidizer. Contact with other material may cause a fire. May cause kidney damage. May be harmful if swallowed. May cause severe respiratory tract irritation with possible burns. May cause severe digestive tract irritation with possible burns. Causes severe eye and skin irritation with possible burns. Reproductively active.

**Target Organs:** Blood, kidneys, central nervous system, liver, lungs, respiratory system, eyes, skin.

#### Potential Health Effects

**Eye:** Causes severe eye irritation and possible burns. May cause chemical conjunctivitis and corneal damage.

**Skin:** May be harmful if absorbed through the skin. Causes skin irritation and possible burns. May cause skin rash (in milder cases), and cold and clammy skin with cyanosis or pale color. Skin contact can cause brown stains in the area, and possible hardening of the outer skin layer.

**Ingestion:** Harmful if swallowed. May cause severe and permanent damage to the digestive tract. May cause severe gastrointestinal tract irritation with nausea, vomiting and possible burns. May cause liver and kidney damage. May cause perforation of the digestive tract. May cause central

**General Information:** Use proper personal protective equipment as indicated in Section 8.  
**Spills/Leaks:** Vacuum or sweep up material and place into a suitable disposal container. Avoid runoff into storm sewers and ditches which lead to waterways. Clean up spills immediately, observing precautions in the Protective Equipment section. Avoid generating dusty conditions. Provide ventilation. Do not get water inside containers. Do not use combustible materials such as paper towels to clean up spill.

## Section 7 - Handling and Storage

**Handling:** Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Use only in a well-ventilated area. Minimize dust generation and accumulation. Do not get in eyes, on skin, or on clothing. Keep container tightly closed. Avoid contact with clothing and other combustible materials. Do not ingest or inhale. Do not store near combustible materials. Discard contaminated shoes.

**Storage:** Keep away from sources of ignition. Do not store near combustible materials. Keep container closed when not in use. Store in a tightly closed container. 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. Use adequate ventilation to keep airborne concentrations low.

### Exposure Limits

Chemical Name	ACGIH	NIOSH	OSHA - Final PELs
Permanganic permanganate	none listed	none listed	none listed

**OSHA Vacated PELs:** Permanganic permanganate: No OSHA Vacated PELs are listed for this chemical.

### Personal Protective Equipment

**Eyes:** Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

**Skin:** Wear appropriate protective gloves to prevent skin exposure.

**Clothing:** Wear appropriate protective clothing to prevent skin exposure.

**Respirators:** A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant a respirator's use.

## Section 9 - Physical and Chemical Properties

**Physical State:** Solid

**Appearance:** dark purple

**Odor:** odorless

**pH:** Not available.

## Section 12 - Ecological Information

**Ecotoxicity:** Fish: Channel catfish: LC50 = 0.75 mg/L; 96 Hr; Unspecified Goldfish: LC50 = 3.6 mg/L; 24 Hr; Unspecified Striped bass: LC50 = 1.5-5.0 mg/L; 24 Hr; Static bioassay No data available.

**Environmental:** No information available.

**Physical:** No information available.

**Other:** Harmful to aquatic life in very low concentrations.

## Section 13 - Disposal Considerations

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

**RCRA P-Series:** None listed.

**RCRA U-Series:** None listed.

## Section 14 - Transport Information

	US DOT	IATA	RID/ADR	IMO	Canada TDG
<b>Shipping Name:</b>	POTASSIUM PERMANGANATE				POTASSIUM PERMANGANATE
<b>Hazard Class:</b>	5.1				5.1
<b>UN Number:</b>	UN1490				UN1490
<b>Packing Group:</b>	II				II

## Section 15 - Regulatory Information

### US FEDERAL

#### TSCA

CAS# 7722-64-7 is listed on the TSCA inventory.

#### Health & Safety Reporting List

None of the chemicals are on the Health & Safety Reporting List.

#### Chemical Test Rules

None of the chemicals in this product are under a Chemical Test Rule.

#### Section 12b

None of the chemicals are listed under TSCA Section 12b.

#### TSCA Significant New Use Rule

None of the chemicals in this material have a SNUR under TSCA.

#### SARA

#### CERCLA Hazardous Substances and corresponding RQs

CAS# 7722-64-7: 100 lb final RQ; 45.4 kg final RQ

#### SARA Section 302 Extremely Hazardous Substances

None of the chemicals in this product have a TPQ.

93 OEL IN BULGARIA, COLOMBIA, JORDAN, KOREA check ACGIH TLV OEL IN NEW ZEALAND, SINGAPORE, VIETNAM check ACGI TLV

## Section 16 - Additional Information

**MSDS Creation Date:** 3/02/1999

**Revision #4 Date:** 3/13/2003

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