

PRMI

MATERIAL SAFETY DATA SHEET

Emergency Phone No: Chem-Trec 1-800-424-9300

Manufacturer: ProChem, Inc.
826 Roosevelt Road
Rockford, IL 61109

Phone: (815) 398-1788
Fax: (815) 398-1810
E-Mail: Prochem1@aol.com

SECTION 1 Product Identification

CHEMICAL NAME: POTASSIUM MANGANATE
PRODUCT NUMBER: 2922
CAS#: 10294-64-1
FORMULA: K₂MnO₄
EINECS NUMBER: 233-665-2

SECTION 2 Composition and Information on Ingredients

INGREDIENT:	CAS#	%	ACGIH (TWA)	OSHA (PEL)
Title Compound	10294-64-1	100	0.2 mg/m ³	0.2 mg/m ³

SECTION 3 Hazards Identification

EMERGENCY OVERVIEW: IRRITANT. Irritating to skin, eyes, mucous membranes.

PRIMARY ROUTES OF EXPOSURE: Ingestion, inhalation, skin, eyes.

EYE CONTACT: Causes irritation of the eyes .

SKIN CONTACT: Causes irritation to skin.

INHALATION: Causes irritation to respiratory system.

INGESTION: Irritation

SUBACUTE TO CHRONIC TOXICITY: Chronic exposure to manganese may cause impairment to the central nervous system. Symptoms include sluggishness, sleepiness, muscle weakness, loss of facial muscle control, edema, emotional disturbances, spastic gait and falling. Chronic manganese poisoning may develop as little as three months of heavy exposure but usually cases develop after on to three years of exposure.

SECTION 4 First Aid Measures

EYE EXPOSURE: Immediately flush the eyes with copious amounts of water (lukewarm if possible) for several minutes. Assure adequate flushing under eyelids. Consult physician.

SKIN EXPOSURE: Wash affected area with water . Remove contaminated clothes if necessary. Seek medical assistance if irritation or redness persists.

INHALATION: Remove victim to fresh air. Closely monitor the victim for signs of respiratory problems, such as difficulty in breathing, coughing, wheezing, or pain. In such cases seek immediate medical assistance. Give oxygen if deemed necessary. If not breathing administer CPR. Get emergency care immediately.

INGESTION: Seek medical assistance immediately. Keep the victim calm.

SECTION 9**Physical and Chemical Properties**

COLOR AND FORM: Black crystalline solid
MOLECULAR WEIGHT: No Data
MELTING POINT (DEG. C.): 190 (decomposes)
SPECIFIC GRAVITY (WATER = 1): No Data
BOILING POINT: No Data
VAPOR PRESSURE: Not applicable
VAPOR DENSITY (AIR = 1): Not applicable
% VOLATILE BY VOLUME: Non volatile
SOLUBILITY IN WATER: Decomposes

SECTION 10 Stability and Reactivity

STABILITY: Stable
HAZARDOUS POLYMERIZATION: Will not occur
CONDITIONS TO AVOID: Keep away from heat and combustible materials
INCOMPATIBILITY: Reducing agents, flammables
DECOMPOSITION PRODUCTS: metal oxide fume

SECTION 11 Toxicological Information

CARCINOGENIC EFFECTS: No Data
MUTAGENIC EFFECTS: No Data
TETRAOGENIC EFFECTS: No Data

To the best of our knowledge the toxicological effects of this compound have not been fully investigated.

SECTION 12 Ecological Information

ECOLOGICAL INFORMATION: Do not allow material to be released to the environment without proper government permits. Do not allow undiluted products or large quantities to reach ground water, water bodies or sewage system.

SECTION 13 Disposal Considerations

DISPOSAL: Dispose of in accordance with local state and federal regulations.

SECTION 14 Transportation Information

Oxidizing solid, n.o.s. (Potassium Manganate) Class 5.1 UN1479, PG III Label: 5.1

SECTION 15 Regulatory Information

TSCA: No data

SARA : Product contains manganese and is subject to the reporting requirements of Section 313.

RCRA STATUS: Meets criteria for oxidizing substances and should be managed as a hazardous waste .

SECTION 16 Other Information

DISCLAIMER: The information herein is believed to be accurate and reliable as of the date compiled. However, ProChem, Inc. makes no representation, warranty, or guarantee of any kind with respect to the information in this document or any use of the product based on the information.

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