

PRMI

MATERIAL SAFETY DATA SHEET

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SECTION 1 Product Identification

CHEMICAL NAME: POTASSIUM MOLYBDATE
PRODUCT NO: 2924
CAS REGISTRY NUMBER: 13446-49-6
FORMULA: K₂MoO₄
EC NO: 236-599-2
SYNONYMS: Potassium Molybdenum oxide, Dipotassium (T4) Molybdate

SECTION 2 Composition and Information on Ingredients

INGREDIENT:	CAS#	%	ACGIH (TWA)	OSHA (PEL)
Title Compound	13446-49-6	100	5 mg/m ³	5 mg/m ³

SECTION 3 Hazards Identification

EMERGENCY OVERVIEW: Causes irritation to eyes, skin, and respiratory system.
PRIMARY ROUTES OF EXPOSURE: Inhalation, ingestion
EYE CONTACT: Causes serious irritation of the eyes.
SKIN CONTACT: Causes irritation.
INHALATION: Inhalation of dust can lead to irritation of the respiratory tract and mucous membranes.
INGESTION: May be harmful if swallowed. Seek medical attention.
CHRONIC HEALTH EFFECTS: None Known

SECTION 4 First Aid Measures

EYE EXPOSURE: Immediately flush the eyes with copious amounts of water (lukewarm if possible) for several minutes. Assure flushing under eyelids. A victim may need assistance in keeping their eyelids open. Get medical attention if redness or irritation persists.
SKIN EXPOSURE: Wash affected area with soap and water. Remove contaminated clothes if necessary.
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 medical assistance.
INGESTION: Do not induce vomiting. Seek medical advice immediately.

SECTION 5

Firefighting Measures

FLASH POINT: Not applicable

AUTOIGNITION TEMPERATURE: Not applicable

EXPLOSION LIMITS: Not applicable

EXTINGUISHING MEDIUM: Use extinguishing agent suitable for surrounding fire.

SPECIAL FIREFIGHTING PROCEDURES: If this product is involved in a fire, fire fighters should be equipped with a NIOSH approved positive pressure self-contained breathing apparatus and full protective clothing.

HAZARDOUS COMBUSTION AND DECOMPOSITION PRODUCTS: Metal oxide fumes.

UNUSUAL FIRE OR EXPLOSION HAZARDS: None known

SECTION 6

Accidental Release Measures

SPILL AND LEAK PROCEDURES: Wear adequate personal protection. In the case of a spill, sweep up and place in a well-marked container for disposal. Avoid raising dust. Avoid inhalation of dust. Avoid contact with skin, eyes, clothing.

DISPOSAL: Dispose of in accordance with all waste disposal regulations.

SECTION 7

Handling and Storage

HANDLING AND STORAGE: **HYGROSCOPIC.** Picks up moisture readily from atmosphere.

Avoid moist, humid conditions. Keep in a tightly sealed container. Keep material in a cool, dry, well-ventilated area. Do not store near incompatible compounds.

SECTION 8

Exposure Controls and Personal Protection

EYE PROTECTION: Always wear approved safety glasses w/side shields, or safety goggles when handling a chemicals substance in the laboratory.

SKIN PROTECTION: Wear appropriate chemical resistant gloves.

VENTILATION: Mechanical exhaust

RESPIRATOR: If ventilation if not available, a respirator should be worn. The use of respirators requires a Respirator Protection Program to be in compliance with 29CFR 1910.34.

ADDITIONAL PROTECTION: Use in a controlled environment. **IRRITANT.** Avoid contact with skin, eyes, clothing. Do not breathe dust. Eyewash capable of sustained flushing in area. Do not eat, drink, smoke in area. Wash thoroughly after handling.

SECTION 9

Physical and Chemical Properties

COLOR AND FORM: White solid, Odorless

MOLECULAR WEIGHT: 238.13

MELTING POINT (DEG. C.): 919

SPECIFIC GRAVITY (WATER = 1):

BOILING POINT: No Data

DENSITY: 2,3 g/cm³

% VOLATILE BY VOLUME: 0%

SOLUBILITY IN WATER: Soluble

SECTION 10 Stability and Reactivity

STABILITY: Stable

HAZARDOUS POLYMERIZATION: Will not occur

CONDITIONS TO AVOID: Moisture, humidity (hygroscopic)

INCOMPATIBILITY: Oxidizers, Interhalogens

DECOMPOSITION PRODUCTS: Metal oxide fume

SECTION 11 Toxicological Information

THIS PRODUCT IS NOT CONSIDERED A CARCINOGEN BY IARC, ACGIH, NTP or OSHA.

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 undiluted product or large quantities to reach ground water, water course, or sewage system.

SECTION 13 Disposal Considerations

DISPOSAL: Dispose of in according to local state and federal regulations.

SECTION 14 Transportation Information

Not Regulated

Non-hazardous for air transport, motor freight , maritime (DOT, IATA, ICAO, IMDG)

SECTION 15 Regulatory Information

TSCA: No

SARA (TITLE 313): Acute: No Chronic: No Fire: No Pressure: No

RCRA: No

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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