

MATERIAL SAFETY DATA SHEET

POTASSIUM METAVANADATE 98% MSDS CAS: 13769-43-2

Section 1: Chemical Product and Company Identification

Section 1: Chemical Product

Product Name: POTASSIUM METAVANADATE

CAS#: 13769-43-2

Synonym: Potassium Vanadate (meta)

Chemical Name: Potassium Metavanadate

Chemical Formula: KO_3V

Brand: OXFORD

Details Of The Supplier Of The Safety Data Sheet :

Company identification: **OXFORD LAB FINE CHEM LLP**
Unit. No. 12, 1st Floor, Neminath Industrial Estate No. 6,
Navghar, Vasai (East). Palghar - 401 210.
Mumbai, Maharashtra, INDIA.
Tel: 91-250-2390989
Tel/Fax: 91-250-2390032

Section 2: Composition and Information on Ingredients

Composition:

Name	CAS #	% by Weight
Potassium Metavanadate	13769-43-2	100

Section 3: Hazards Identification

Risk advice to man and the environment:

Very toxic by inhalation, in contact with skin and if swallowed. Irritating to eyes, respiratory system and skin.

Section 4: First Aid Measures

General advice: Consult a physician. Show this safety data sheet to the doctor in attendance.

If inhaled:

If breathed in, move person into fresh air. If not breathing give artificial respiration Consult a physician.

In case of skin contact:

Wash off with soap and plenty of water. Take victim immediately to hospital. Consult a physician.

In case of eye contact:

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

If swallowed:

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

Section 5: Fire and Explosion Data

Suitable extinguishing media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special protective equipment for fire-fighters:

Wear self contained breathing apparatus for fire fighting if necessary.

Section 6: Accidental Release Measures

Personal precautions: Wear respiratory protection. Avoid dust formation. Avoid breathing dust. Ensure adequate ventilation. Evacuate personnel to safe areas.

Environmental precautions:

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

Methods for cleaning up:

Pick up and arrange disposal without creating dust. Keep in suitable, closed containers for disposal.

Section 7: Handling and Storage

Handling:

Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.

Storage: Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

Section 8: Exposure Controls/Personal Protection

Personal protective equipment

Respiratory protection: Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N99 (US) or type P2 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Hand protection: The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it. Handle with gloves.

Eye protection: Face shield and safety glasses

Skin and body protection: Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Hygiene measures: Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.

Section 9: Physical and Chemical Properties

Appearance Form	: Powder
pH	: No data available
Molecular Weight	: 138.04 g/mole
Melting point	: 520 °C - lit.
Boiling point	: No data available
Flash point	: Not applicable
Ignition temperature	: No data available
Lower explosion limit	: No data available

Section 9: Physical and Chemical Properties (Continued)

Upper explosion limit	: No data available
Density	: 2,84 g/MI at 25 °C
Water solubility	: No data available

Section 10: Stability and Reactivity Data

Storage stability: Stable under recommended storage conditions.

Materials to avoid: acids, Strong oxidizing agents, Strong bases

Hazardous decomposition products:

Hazardous decomposition products formed under fire conditions. - Potassium oxides, Vanadium/vanadium oxides

Section 11: Toxicological Information

Acute toxicity: No data available

Irritation and corrosion: No data available

Sensitisation: No data available

Chronic exposure

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

Signs and Symptoms of Exposure

Damage to the lungs., To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Potential Health Effects

Inhalation May be fatal if inhaled. Causes respiratory tract irritation.

Skin Causes skin irritation. May be fatal if absorbed through skin.

Eyes Causes eye irritation.

Ingestion May be fatal if swallowed.

Target Organs Damage to the lungs., Lungs

Section 12: Ecological Information

Elimination information (persistence and degradability): No data available.

Ecotoxicity effects: No data available.

Further information on ecology: No data available.

Section 13: Disposal Considerations

Product: Observe all federal, state, and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

Contaminated packaging: Dispose of as unused product.

Section 14: Transport Information

Land transport (ADR-RID)

Proper shipping name: POTASSIUM METAVANADATE

UN N°: 2864

H.I. nr: 60

ADR - Class: 6.1

Labelling - Transport: 6.1 : Toxic substances.

ADR - Group: II

Sea transport (IMDG) [English only]

Proper shipping name: POTASSIUM METAVANADATE

UN N°: 2864

IMO-IMDG - Class or division: 6.1 : Toxic substances.

IMO-IMDG - Packing group: II

Air transport (ICAO-IATA) [English only]

Proper shipping name: POTASSIUM METAVANADATE

UN N°: 2864

IATA - Class or division: 6.1 : Toxic substances.

IATA - Packing group: II

Section 15: Other Regulatory Information

Labelling according to EC Directives

Hazard symbols

T+ Very toxic

R-phrases(s):

R26/27/28 Very toxic by inhalation, in contact with skin and if swallowed.

R36/37/38 Irritating to eyes, respiratory system and skin.

S-phrases(s):

S22 Do not breathe dust.

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

S45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

Section 16 - Additional Information

References: Not available.

Other Special Considerations: Not available.

Disclaimer:

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