

## **MATERIAL SAFETY DATA SHEET**

### **POTASSIUM TETRATHIONATE 98% Extra Pure CAS NO. : 13932-13-3**

#### **Section 1: Chemical Product and Company Identification**

##### **Section 1: Chemical Product**

**Product Name:** POTASSIUM TETRATHIONATE 98% Extra Pure

**CAS#:** 13932-13-3

**C.I. No.:** Not available.

**Synonym:** Not available.

**Chemical Name:** POTASSIUM TETRATHIONATE 98% Extra Pure

**Chemical Formula:** K<sub>2</sub>O<sub>6</sub>S<sub>4</sub>

**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**

##### **Substances**

**Formula:** K<sub>2</sub>O<sub>6</sub>S<sub>4</sub>

**Molecular weight:** 302.45 g/mol

**CAS-No.:** 13932-13-3

**Hazardous ingredients according to Regulation (EC) No 1272/2008**

Component	CAS-No	Concentration
Potassium tetrathionate	13932-13-3	<=100%

## Section 3: Hazards Identification

### Classification of the substance or mixture

### Classification of the substance according to Regulation (EC) No 1272/2008:

Skin irritation (Category 2), H315

Eye irritation (Category 2), H319

Specific target organ toxicity -single exposure (Category 3), H335

Other hazards : None.

## Section 4: First Aid Measures

### Description of 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.

#### 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.

### Indication of any immediate medical attention and special treatment needed

No data available

## Section 5: Fire and Explosion Data

### Extinguishing media

#### Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

### Special hazards arising from the substance or mixture

Sulphur oxides, Potassium oxides

### Advice for firefighters

Wear self contained breathing apparatus for fire-fighting if necessary.

### Further information

No data available

## Section 6: Accidental Release Measures

### **Personal precautions, protective equipment and emergency procedures**

Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.

### **Environmental precautions**

Do not let product enter drains.

### **Methods and materials for containment and cleaning up**

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

## Section 7: Handling and Storage

### **Precautions for safe 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.

### **Conditions for safe storage, including any incompatibilities**

Store in cool place.

Keep container tightly closed in a dry and well-ventilated place.

Recommended storage temperature 2 -8 °C

Storage class (TRGS 510): Combustible Solids.

## Section 8: Exposure Controls/Personal Protection

### **Control parameters**

#### **Exposure controls**

##### **Appropriate engineering controls**

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

#### **Personal protective equipment**

##### **Eye/face protection**

Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

## Section 8: Exposure Controls/Personal Protection (Continued)

### **Skin protection**

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

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

**Body Protection:** Impervious clothing, Flame retardant antistatic protective clothing., The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

### **Respiratory protection**

For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle r (US) or type ABEK-P2 (EU EN 143) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

**Control of environmental exposure:** Do not let product enter drains.

## Section 9: Physical and Chemical Properties

### Information on basic physical and chemical properties

a) Appearance Form	: Crystalline beige.
b) Odour	: No data available.
c) Odour threshold	: No data available.
d) pH	: No data available.
e) Melting point/range	: No data available.
f) Initial boiling point and boiling range	: No data available.
g) Autoignition temperature	: No data available.
h) Flammability (solid, gas)	: No data available.
i) Upper/lower flammability or explosive limits	: No data available.
j) Flash point [°C]	: No data available.
k) Evaporation rate	: No data available.
l) Vapour pressure	: No data available.

## Section 9: Physical and Chemical Properties (Continued)

m) Vapour density	: No data available.
n) Relative density,	: 2.96 g/mL at 25 °C
o) Solubility in water	: No data available.
p) Viscosity	: No data available.
q) Explosive properties	: No data available.
r) Oxidising properties	: No data available.
s) Decomposition temperature	: No data available.
t) Autoignition temperature	: No data available.
u) Molecular Weight	: No data available.

## Section 10: Stability and Reactivity Data

**Reactivity** : No data available.

**Chemical stability** : Stable under recommended storage conditions.

**Possibility of hazardous reactions** : No data available.

**Conditions to avoid** : No data available.

**Incompatible materials** : Strong oxidizing agents, strong bases.

**Hazardous decomposition products**

**Other decomposition products** - Hazardous decomposition products formed under fire conditions.-

Sulphur oxides, Potassium oxides

Other decomposition products-No data available.

## Section 11: Toxicological Information

**Information on toxicological effects**

No data available (Potassium tetrathionate)

**Skin corrosion/irritation**

No data available (Potassium tetrathionate)

**Serious eye damage/eye irritation**

No data available (Potassium tetrathionate)

## Section 11: Toxicological Information (Continued)

### **Respiratory or skin sensitization**

No data available (Potassium tetrathionate)

### **Germ cell mutagenicity**

No data available (Potassium tetrathionate)

### **Carcinogenicity**

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.

### **Reproductive toxicity**

No data available (Potassium tetrathionate)

### **Specific target organ toxicity - single exposure**

No data available (Potassium tetrathionate)

### **Specific target organ toxicity - repeated exposure**

No data available (Potassium tetrathionate)

### **Aspiration hazard**

No data available (Potassium tetrathionate)

### **Additional Information**

RTECS: XF6450000

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated. (Potassium tetrathionate)

## Section 12: Ecological Information

**Toxicity:** No data available.

**Persistence - degradability :** No data available.

**Bioaccumulative potential :** Not established.

**Mobility in soil :** Not established.

**Results of PBT and vPvB assessment :** PBT/vPvB assessment not available as chemical safety assessment not required/not conducted.

**Other adverse effects :** No data available.

## Section 13: Disposal Considerations

### Waste treatment methods

**Product:** Offer surplus and non-recyclable solutions to a licensed disposal company.  
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 chem scrubber.**  
**Contaminated packaging:** Dispose of as unused product.

## Section 14: Transport Information

### Land transport (ADR-RID)

**General information :** Not regulated.

### Sea transport (IMDG) [English only]

**General information :** Not regulated.

### Air transport (ICAO-IATA) [English only]

**General information :** Not regulated.

## Section 15: Other Regulatory Information

**Safety, health and environmental regulations/legislation specific for the substance or mixture**  
This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

### **Chemical Safety Assessment**

For this product a chemical safety assessment was not carried out.

## Section 16 - Additional Information

**References:** Not available.

**Other Special Considerations:** Not available.



## ***Disclaimer:***

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