

# OXFORD LAB FINE CHEM LLP

ISO 9001-2008 Certified Company

**Regd Office:** Unit no 12, 1st Floor,  
Neminath Industrial Estate No.6,  
Navghar, Vasai (East), Palghar - 410210.  
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**Tel:** +91 250 2390032 / 2390989 / 2390990  
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**Oxford**  
Range of  
Laboratory Chemicals

## MATERIAL SAFETY DATA SHEET

### POTASSIUM IODO BISMUTHATE 98% MSDS CAS: -41944-01-8

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

##### Section 1: Chemical Product

**Product Name:** POTASSIUM IODO BISMUTHATE 98%

**CAS#:** - 41944-01-8

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

**Synonym:** Not available.

**Chemical Name:** POTASSIUM IODO BISMUTHATE 98%

**Chemical Formula:** BiI7K4

**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  
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#### Section 2: Composition and Information on Ingredients

##### Composition:

Name	CAS #	% by Weight
Bismuth potassium iodide	41944-01-8	100

## Section 3: Hazards Identification

### **Classification of the substance or mixture:**

#### **Classification (EC 1272/2008)**

**Physical hazards** Not Classified

**Health hazards** Not Classified

**Environmental hazards** Not Classified

**Hazard statements:** NC Not Classified

**Other hazards:** No data available.

## Section 4: First Aid Measures

### **Eye Contact:**

**Rinse immediately with plenty of water. Continue to rinse for at least 15 minutes. Get medical attention if symptoms are severe or persist.**

### **Skin Contact:**

**Remove contaminated clothing. Rinse with water. Continue to rinse for at least 15 minutes. Wash contaminated clothing before reuse. Get medical attention if symptoms are severe or persist.**

**Serious Skin Contact:** No data available.

### **Inhalation:**

**Remove person to fresh air and keep comfortable for breathing. If breathing stops, provide artificial respiration. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen. Get medical attention if symptoms are severe or persist.**

**Serious Inhalation:** Not available.

### **Ingestion:**

**Never give anything by mouth to an unconscious person. Rinse mouth thoroughly with water. Give plenty of water to drink. Get medical attention if symptoms are severe or persist.**

**Serious Ingestion:** Not available.

## Section 5: Fire and Explosion Data

### Extinguishing media:

**Suitable extinguishing media:** Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog. Use fireextinguishinG media suitable for the surrounding fire.

### Special hazards arising from the substance or mixture:

**Specific hazards :** None known.

**Hazardous combustion products :** Thermal decomposition or combustion products may include the following substances: Oxides of carbon. Hydrogen iodide

### Advice for firefighters:

**Special protective equipment for firefighters:** Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Firefighter's clothing conforming to European standard EN469 (including helmets, protective boots and gloves) will provide a basic level of protection for chemical incidents. Use protective equipment appropriate for surrounding materials.

## Section 6: Accidental Release Measures

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

**Personal precautions:** Wear protective clothing as described in Section 8 of this safety data sheet. No action shall be taken without appropriate training or involving any personal risk. Do not touch or walk into spilled material. Avoid inhalation of dust and vapours. Provide adequate ventilation.

### Environmental precautions:

**Environmental precautions:** Avoid discharge into drains or watercourses or onto the ground.

### Methods and material for containment and cleaning up:

**Methods for cleaning up:** Wear protective clothing as described in Section 8 of this safety data sheet. Collect powder using special dust vacuum cleaner with particle filter or carefully sweep into suitable waste disposal containers and seal securely. Clear up spills immediately and dispose of waste safely. Flush contaminated area with plenty of water. Wash thoroughly after dealing with a spillage.

## Section 7: Handling and Storage

### Precautions for safe handling:

**Usage precautions:** Wear protective clothing as described in Section 8 of this safety data sheet. Wash hands thoroughly after handling. Provide adequate ventilation. Avoid generation and spreading of dust. Avoid contact with skin and eyes. Avoid inhalation of dust and vapours. Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

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

**Storage precautions:** Keep container tightly closed. Store at room temperature.

## Section 8: Exposure Controls/Personal Protection

### **Control parameters:**

**Occupational exposure limits:** No exposure limits known for ingredient(s).

### **Exposure controls:**

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

Provide adequate ventilation. Observe any occupational exposure limits for the product or ingredients.

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

Unless the assessment indicates a higher degree of protection is required, the following protection should be worn: Tight-fitting safety glasses. Personal protective equipment for eye and face protection should comply with European Standard EN166.

**Hand protection:** Wear protective gloves. To protect hands from chemicals, gloves should comply with European Standard EN374.

#### **Other skin and body protection:**

Wear appropriate clothing to prevent repeated or prolonged skin contact.

#### **Respiratory protection:**

Respiratory protection complying with an approved standard should be worn if a risk assessment indicates inhalation of contaminants is possible. Ensure all respiratory protective equipment is suitable for its intended use and is 'CE'-marked. Particulate filters should comply with European Standard EN143. Full face mask respirators with replaceable filter cartridges should comply with European Standard EN136. Half mask and quarter mask respirators with replaceable filter cartridges should comply with European Standard EN140.

#### **Environmental exposure Controls:**

Keep container tightly sealed when not in use.

## Section 9: Physical and Chemical Properties

<b>Physical state and appearance</b>	<b>: Solid.</b>
<b>Odor</b>	<b>: Not available.</b>
<b>Taste</b>	<b>: Not available.</b>
<b>Molecular Weight</b>	<b>: 1253.70</b>
<b>Color</b>	<b>: Red to dark red.</b>
<b>pH (1% soln/water)</b>	<b>: Not applicable.</b>
<b>Boiling Point</b>	<b>: Not available.</b>
<b>Melting Point</b>	<b>: Not available.</b>
<b>Critical Temperature</b>	<b>: Not available.</b>
<b>Specific Gravity</b>	<b>: Not available.</b>
<b>Vapor Pressure</b>	<b>: Not applicable.</b>
<b>Vapor Density</b>	<b>: Not available.</b>
<b>Volatility</b>	<b>: Not available.</b>
<b>Odor Threshold</b>	<b>: Not available.</b>
<b>Water/Oil Dist. Coeff.</b>	<b>: Not available.</b>
<b>Ionicity (in Water)</b>	<b>: Not available.</b>
<b>Dispersion Properties</b>	<b>: Not available.</b>
<b>Solubility</b>	<b>: Not available.</b>

## Section 10: Stability and Reactivity Data

- Stability:** Stable under the prescribed storage conditions.
- Instability Temperature:** Not available.
- Conditions of Instability:** Not available.
- Incompatibility with various substances:** Strong oxidising agents.
- Corrosivity:** Not available.
- Special Remarks on Reactivity:** Not available.
- Special Remarks on Corrosivity:** Not available.
- Polymerization:** Will not occur.

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## Section 11: Toxicological Information

**Routes of Entry:** Ingestion Inhalation Skin and/or eye contact

**Toxicity to Animals:** Not regarded as a health hazard under current legislation.

**LD50:** Not available. **LC50:** Not available.

**Chronic Effects on Humans:** Not available.

**Other Toxic Effects on Humans:** Dust may irritate the respiratory system. Frequent inhalation of dust over a long period of time increases the risk of developing lung diseases.

**Special Remarks on Toxicity to Animals:** Not available.

**Special Remarks on Chronic Effects on Humans:** Not available.

**Special Remarks on other Toxic Effects on Humans:**

**Acute Potential Health Effects:**

**Ingestion:** No specific symptoms known. May cause discomfort if swallowed.

**Skin contact:** Prolonged contact may cause dryness of the skin.

**Eye contact:** Dust may cause slight irritation.

**Route of exposure Ingestion:** Inhalation Skin and/or eye contact

**Target organs:** No specific target organs known.

## Section 12: Ecological Information

**Ecotoxicity:** Not regarded as dangerous for the environment. However, large or frequent spills may have hazardous effects on the environment.

**BOD5 and COD:** Not available.

**Toxicity:** Based on available data the classification criteria are not met.

**Persistence and degradability:** The degradability of the product is not known.

**Toxicity of the Products of Biodegradation:** Not available.

**Special Remarks on the Products of Biodegradation:** Not available.

**Bioaccumulative potential:** No data available on bioaccumulation.

**Partition coefficient:** No data available.

## Section 13: Disposal Considerations

**Waste treatment methods:**

Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. This material and its container must be disposed of in a safe way. When handling waste, the safety precautions applying to handling of the product should be considered.

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## Section 14: Transport Information

### Land transport (ADR-RID)

**General information** : Not regulated.

### Sea transport (IMDG)

**General information** : Not regulated.

### Air transport (ICAO-IATA)

**General information** : Not regulated.

## Section 15: Other Regulatory Information

**Safety, health and environmental regulations/legislation specific for the substance or mixture:**

### **National regulations:**

Health and Safety at Work etc. Act 1974 (as amended). The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2009 (SI 2009 No. 1348) (as amended) ["CDG 2009"]. EH40/2005 Workplace exposure limits.

### **EU legislation:**

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).

Commission Regulation (EU) No 2015/830 of 28 May 2015.

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).

### **Chemical safety assessment:**

No chemical safety assessment has been carried out.



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## Section 16 - Additional Information

**References:** Not available.

**Other Special Considerations:** Not available.

### ***Disclaimer:***

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