

## **MATERIAL SAFETY DATA SHEET**

### **POTASSIUM PYROANTIMONATE 98.5% Extra Pure (Potassium Antimonate) MSDS CAS: 12208-13-8**

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

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

**Product Name: POTASSIUM PYROANTIMONATE**

**CAS#: 12208-13-8**

**Synonym: Potassium Antimonate**

**Chemical Name: Potassium Pyroantimonate**

**Chemical Formula:  $\text{KSb}(\text{OH})_6$**

**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 Pyroantimonate	12208-13-8	100

## Section 3: Hazards Identification

### Risk advice to man and the environment:

Harmful by inhalation and if swallowed. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

## 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. 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 extinguishing measures that are appropriate to local circumstances and the surrounding environment.

### Special protective equipment for fire-fighters:

Wear self contained breathing apparatus for fire fighting if necessary.

Further information: The product itself does not burn.

## Section 6: Accidental Release Measures

Personal precautions: Use personal protective equipment. Avoid dust formation. Avoid breathing dust. Ensure adequate ventilation.

Environmental precautions: Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

## Section 6: Accidental Release Measures (Continued)

### 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 formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed.

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 dust mask type N95 (US) or type P1 (EN 143) 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:** 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:** Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

## Section 9: Physical and Chemical Properties

Appearance Form	: Solid.
Colour	: White powder.
Molecular Weight	: 262.89 g/mole.
pH	: No data available.
Melting point	: No data available.

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

Boiling point	: No data available.
Flash point	: Not applicable.
Ignition temperature	: No data available.
Lower explosion limit	: No data available.
Upper explosion limit	: No data available.
Water solubility	: Slightly soluble.

## Section 10: Stability and Reactivity Data

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

**Materials to avoid:** Strong acids

**Hazardous decomposition products:**

Hazardous decomposition products formed under fire conditions. - Antimony oxide, Potassium 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:** To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

**Potential Health Effects**

**Inhalation** Harmful if inhaled. May cause respiratory tract irritation.

**Skin** May be harmful if absorbed through skin. May cause skin irritation.

**Eyes** May cause eye irritation.

**Ingestion** Harmful if swallowed.

## Section 12: Ecological Information

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

**Ecotoxicity effects:** Toxicity to daphnia and other aquatic invertebrates. LC50 - Daphnia magna (Water flea) - > 164 mg/l - 24 h

**Further information on ecology:**

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

## 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.

**Contaminated packaging:** Dispose of as unused product.

## Section 14: Transport Information

### **Land transport (ADR-RID)**

Proper shipping name	: ANTIMONY COMPOUND, INORGANIC, SOLID, N.O.S.
UN N°	: 1549
H.I. nr	: 60
ADR – Class	: 6.1
Labelling – Transport	: 6.1: Toxic substances.
ADR – Group	: III

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

Proper shipping name	: ANTIMONY COMPOUND, INORGANIC, SOLID, N.O.S.
UN N°	: 1549
IMO-IMDG - Class or division	: 6.1: Toxic substances.
IMO-IMDG - Packing group	: III

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

Proper shipping name	: ANTIMONY COMPOUND, INORGANIC, SOLID, N.O.S.
UN N°	: 1549
IATA - Class or division	: 6.1: Toxic substances.
IATA - Packing group	: III

## Section 15: Other Regulatory Information

### Labelling according to EC Directives

#### EC Label

**Hazard symbols:** Xn Harmful  
N Dangerous for the environment

#### R-phrases(s):

R20/22 Harmful by inhalation and if swallowed.

R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

#### S-phrases(s):

S61 Avoid release to the environment. Refer to special instructions/ Safety data sheets.

## Section 16 - Additional Information

References: Not available.

Other Special Considerations: Not available.

### ***Disclaimer:***

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