

Regd Office: Unit no 12, 1st Floor,  
Neminath Industrial Estate No.6,  
Navghar, Vasai (East), Palghar - 410210.  
Maharashtra, INDIA.

Tel: +91 250 2390032 / 2390989 / 2390990  
Email: sales@oxfordlabchem.com /  
info@oxfordlabchem.com  
Web: www.oxfordlabchem.com

## **MATERIAL SAFETY DATA SHEET**

### **POTASSIUM OXALATE 99.5% AR MSDS CAS: 6487-48-5**

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

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

**Product Name: POTASSIUM OXALATE AR**

**CAS#: 6487-48-5**

**Synonym: Oxalic acid, dipotassium salt; ethanedioic acid, dipotassium salt**

**Chemical Name: Potassium Oxalate AR**

**Chemical Formula: (COOK)<sub>2</sub>.H<sub>2</sub>O**

**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 Oxalate AR	6487-48-5	100

## Section 3: Hazards Identification

### Classification of the substance or mixture

**Classification EC 67/548 or EC 1999/45**

**Classification: Xn; R21/22**

**Hazard Class and Category Code(s), Regulation (EC) No 1272/2008 (CLP)**

**Health hazards: Acute toxicity, dermal - Category 4 - Warning (CLP : Acute Tox. 4) H312**

**Acute toxicity, Oral - Category 4 - Warning (CLP : Acute Tox. 4) H302**

### Label elements

**Labelling EC 67/548 or EC 1999/45**

**R Phrase(s): R21/22 : Harmful in contact with skin and if swallowed.**

**S Phrase(s): S24/25 : Avoid contact with skin and eyes.**

### Labelling Regulation EC 1272/2008 (CLP)

**Hazard statements: H302 : Harmful if swallowed.**

**H312: Harmful in contact with skin.**

### Precautionary statements

**Prevention: P280: Wear protective gloves, protective clothing, eye protection, face protection.**

**P264: Wash thoroughly after handling.**

**P270: Do not eat, drink or smoke when using this product.**

**Response: P302+P352: IF ON SKIN: Wash with plenty of soap and water.**

**P301+P312: IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell.**

**P363: Wash contaminated clothing before reuse.**

**Disposal considerations: P501: Dispose of this material and its container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.**

**Other hazards: The substance does not fulfil the criteria to be identified as PBT substance or vPvB substance according to Annex XIII of Regulation REACH.**

## Section 4: First Aid Measures

### Description of first aid measures

**Inhalation: Assure fresh air breathing. Allow the victim to rest.**

**Skin contact: Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. Immediately call a POISON CENTER or doctor. Specific treatment (see on this label). Wash contaminated clothing before reuse. Wash with plenty of soap and water.**

**Eye contact: Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.**

## Section 4: First Aid Measures (Continued)

**Ingestion:** Obtain emergency medical attention. Do NOT induce vomiting. Rinse mouth. Call a POISON CENTER or doctor if you feel unwell.

### Most important symptoms and effects, both acute and delayed

**Symptoms relating to use:** Repeated exposure to this material can result in absorption through skin causing significant health hazard. Swallowing a small quantity of this material will result in serious health hazard.

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

**General information:** Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

## Section 5: Fire and Explosion Data

### Extinguishing media

**Suitable extinguishing media:** Foam. Dry powder. Carbon dioxide. Water spray. Sand.

**Unsuitable extinguishing media:** Do not use a heavy water stream.

**Surrounding fires:** Use water spray or fog for cooling exposed containers.

### Special hazards arising from the substance or mixture

**Hazardous combustion products:** Under fire conditions, hazardous fumes will be present.

### Advice for fire-fighters

**Protection against fire:** Do not enter fire area without proper protective equipment, including respiratory protection.

**Special procedures:** Exercise caution when fighting any chemical fire. Avoid (reject) fire-fighting water to enter environment.

## Section 6: Accidental Release Measures

### Personal precautions, protective equipment and emergency procedures

**For emergency responders:** Equip cleanup crew with proper protection. Ventilate area.

**For non-emergency personnel:** Evacuate unnecessary personnel.

## Section 6: Accidental Release Measures (Continued)

### Environmental precautions:

Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.

### Methods and material for containment and cleaning up

**Clean up methods:** On land, sweep or shovel into suitable containers. Minimize generation of dust. Store away from other materials.

## Section 7: Handling and Storage

### Precautions for safe handling

**Handling:** Do not eat, drink or smoke when using this product. Wash thoroughly after handling.

**Technical protective measures:** Provide good ventilation in process area to prevent formation of vapour.

### Conditions for safe storage, including any incompatibilities

**Storage:** Keep only in the original container in a cool, well ventilated place. Keep container closed when not in use.

**Storage - away from:** Strong bases. Strong acids. Sources of ignition. Direct sunlight.

## Section 8: Exposure Controls/Personal Protection

### Exposure controls

**Personal protection:** Avoid all unnecessary exposure.

- **Respiratory protection:** Wear approved mask.
- **Hand protection:** Wear protective gloves.
- **Eye protection:** Chemical goggles or safety glasses.
- **Others:** When using, do not eat, drink or smoke.

**Occupational Exposure Limits:** No data available.

## Section 9: Physical and Chemical Properties

Physical state at 20 °C	: Solid.
Colour	: Colorless crystals
Odour	: Odorless

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

Odour threshold	: No data available.
Molecular Weight	: 184.23 g/mole
pH value	: Not applicable.
Melting point [°C]	: No data available.
Decomposition point [°C]	: N/A
Critical temperature [°C]	: N/A
Auto-ignition temperature [°C]	: N/A
Flammability (solid, gas)	: N/A
Flash point [°C]	: N/A
Boiling point [°C]	: N/A
Initial boiling point [°C]	: N/A
Final boiling point [°C]	: N/A
Evaporation rate	: N/A
Vapour pressure [20°C]	: N/A
Vapour pressure mm/Hg	: N/A
Vapour density	: N/A
Density [g/cm <sup>3</sup> ]	: 2,127
Relative density, gas (air=1)	: N/A
Relative density, liquid (water=1)	: N/A
Solubility in water [% weight]	: 30 g in 100 g water
Solubility in water	: N/A
Log Pow octanol / water at 20°C	: No data available.
Solubility	: 7 - 8.5 at 50 g/l at
Viscosity at 40°C [mm <sup>2</sup> /s]	: N/A

## Section 10: Stability and Reactivity Data

**Reactivity:** Not established.

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

**Possibility of hazardous reactions:** Not established.

**Conditions to avoid:** Direct sunlight. Extremely high or low temperatures.

**Materials to avoid:** Strong acids. Strong bases.

## Section 10: Stability and Reactivity Data (Continued)

Hazardous decomposition products: Fumes. Carbon monoxide. Carbon dioxide.

## Section 11: Toxicological Information

### Information on toxicological effects

#### Acute toxicity

- **Inhalation:** Based on available data, the classification criteria are not met.
- **Dermal:** Harmful in contact with skin.
- **Ingestion:** Harmful if swallowed.

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

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

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

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

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

**Toxic for reproduction:** Based on available data, the classification criteria are not met.

**STOT-single exposure:** Based on available data, the classification criteria are not met.

**STOT-repeated exposure:** Based on available data, the classification criteria are not met.

**Aspiration hazard:** Based on available data, the classification criteria are not met.

## Section 12: Ecological Information

Toxicity information: Not established.

Persistence - degradability: Biodegradable.

Bioaccumulative potential: Not established.

Mobility in soil: Not established.

Results of PBT and vPvB assessment: The substance does not fulfil the criteria to be identified as PBT substance or vPvB substance according to Annex XIII of Regulation REACH.

### Other adverse effects

**Environmental precautions:** Avoid release to the environment.

## Section 13: Disposal Considerations

### Waste treatment methods

**General:** Avoid release to the environment. Dispose in a safe manner in accordance with local/national regulations. Dispose of this material and its container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

## 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**  
Safety, health and environmental regulations/legislation specific for the substance or mixture:  
Ensure all national/local regulations are observed.

**REACH Restrictions - Annex XVII:** The components of this product are not subject to restrictions.

**REACH Authorisation - Annex XIV:** The components of this product are not subject to authorization.

**Chemical Safety Assessment:** It has not been carried out.

## Section 16 - Additional Information

**References:** Not available.

**Other Special Considerations:** Not available.

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