

# OXFORD LAB FINE CHEM LLP

ISO 9001-2008 Certified Company

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**Oxford**

Range of  
Laboratory Chemicals

## MATERIAL SAFETY DATA SHEET

### LANTHANUM NITRATE 0.1 mol/ltr SOLUTION MSDS CAS:

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

##### Section 1: Chemical Product

**Product Name:** LANTHANUM NITRATE 0.1 mol/ltr SOLUTION

**CAS#:**

**Chemical Name:** LANTHANUM NITRATE 0.1 mol/ltr SOLUTION

**Chemical Formula:**

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

| SUBSTANCE NAME         | CAS NO.     | CONTENTS    |
|------------------------|-------------|-------------|
| Lanthanum(III) nitrate | 100587-94-8 | > 1 < 5 %   |
| Water                  | 7732-18-5   | > 75 < 99 % |

## Section 3: Hazards Identification

**Classification of the substance or mixture**

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

**Classification** : Not classified.

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

Not classified.

**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.

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

**Ingestion:** Obtain emergency medical attention. Rinse mouth. Do NOT induce vomiting.

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

**Symptoms relating to use:** Not expected to present a significant hazard under anticipated conditions of normal use.

### 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:

|                                       |                                                                 |
|---------------------------------------|-----------------------------------------------------------------|
| <b>Suitable extinguishing media</b>   | <b>: Foam. Dry powder. Carbon dioxide. Water spray. Sand.</b>   |
| <b>Unsuitable extinguishing media</b> | <b>: Do not use a heavy water stream.</b>                       |
| <b>Surrounding fires</b>              | <b>: Use water spray or fog for cooling exposed containers.</b> |

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

|                                      |                                                                  |
|--------------------------------------|------------------------------------------------------------------|
| <b>Hazardous combustion products</b> | <b>: Under fire conditions, hazardous fumes will be present.</b> |
|--------------------------------------|------------------------------------------------------------------|

### Advice for fire-fighters:

|                                                                        |                                                                           |
|------------------------------------------------------------------------|---------------------------------------------------------------------------|
| <b>Protection against fire</b><br>including respiratory protection.    | <b>: Do not enter fire area without proper protective equipment,</b>      |
| <b>Special procedures</b><br>fire-fighting water to enter environment. | <b>: Exercise caution when fighting any chemical fire. Avoid (reject)</b> |

## Section 6: Accidental Release Measures

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

|                                    |                                                               |
|------------------------------------|---------------------------------------------------------------|
| <b>For emergency responders</b>    | <b>: Equip cleanup crew with proper protection.</b>           |
|                                    | <b>: Ventilate area.</b>                                      |
|                                    | <b>Avoid breathing dust, fume, gas, mist, vapours, spray.</b> |
| <b>For non-emergency personnel</b> | <b>: Evacuate unnecessary personnel.</b>                      |

### Environmental precautions

|                                                                     |                                                                                   |
|---------------------------------------------------------------------|-----------------------------------------------------------------------------------|
| <b>Environmental precautions</b><br>enters sewers or public waters. | <b>: Prevent entry to sewers and public waters. Notify authorities if product</b> |
|---------------------------------------------------------------------|-----------------------------------------------------------------------------------|

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

|                                                                      |                                                                                 |
|----------------------------------------------------------------------|---------------------------------------------------------------------------------|
| <b>Clean up methods</b><br>of dust. Store away from other materials. | <b>: On land, sweep or shovel into suitable containers. Minimize generation</b> |
|----------------------------------------------------------------------|---------------------------------------------------------------------------------|

## Section 7: Handling and Storage

### Precautions for safe handling:

**Handling :** Wash hands and other exposed areas with mild soap and water before eat, drink or smoke and when leaving work.

**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.
- **Skin protection:** Wear suitable protective clothing.
- **Eye protection:** Chemical goggles or safety glasses.
- **Others:** When using, do not eat, drink or smoke.

### Control parameters:

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

## Section 9: Physical and Chemical Properties

|                               |                   |
|-------------------------------|-------------------|
| Physical state and appearance | : Liquid.         |
| Odor                          | : Characteristic. |
| Taste                         | : Not available.  |
| Molecular Weight              | : Not available.  |
| Color                         | : Colorless.      |
| pH (1% soln/water)            | : Not available.  |
| Boiling Point                 | : Not available.  |

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

|                        |                   |
|------------------------|-------------------|
| Melting Point          | : Not available.  |
| Critical Temperature   | : Not available.  |
| Specific Gravity       | : Not available.  |
| Vapor Pressure         | : Not applicable. |
| Vapor Density          | : Not available.  |
| Volatility             | : Not available.  |
| Odor Threshold         | : Not available.  |
| Water/Oil Dist. Coeff. | : Not available.  |
| Ionicity (in Water)    | : Not available.  |
| Dispersion Properties  | : Not available.  |
| Solubility             | : Not available.  |

## Section 10: Stability and Reactivity Data

**Stability:** The product is stable.

**Instability Temperature:** Not available.

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

**Incompatibility with various substances:** Not available.

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

**Special Remarks on Reactivity:** Not available.

**Special Remarks on Corrosivity:** Not available.

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

## Section 11: Toxicological Information

### Information on toxicological effects:

**Toxicity information:** The product has been not fully tested. The calculated risk has been done under the requirements of the EU regulations.

### Acute toxicity:

- **Inhalation:** Based on available data, the classification criteria are not met.
- **Dermal:** Based on available data, the classification criteria are not met.
- **Ingestion:** Based on available data, the classification criteria are not met.

**Corrosion:** 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:** The product has been not fully tested. The calculated risk has been done under the requirements of the EU regulations.

**BOD5 and COD:** Not available.

**Persistence - degradability:** Biodegradable.

**Bioaccumulative potential:** Not established.

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

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

**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.

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

## Section 13: Disposal Considerations

**Waste Disposal:** Avoid release to the environment. Dispose in a safe manner in accordance with local/national regulations.

## 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:**

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

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## Section 16 - Additional Information

**References:** Not available.

**Other Special Considerations:** Not available.

### ***Disclaimer:***

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