OXFORD LAB FINE CHEM LLP

**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

Oxford
Range of
Laboratory Chemicals

# MATERIAL SAFETY DATA SHEET

# LANTHANUM NITRATE HexahydrateAR

## MSDS : 10277-43-7

## Section 1: Chemical Product and Company Identification

**Section 1: Chemical Product**

**Product Name: LANTHANUM NITRATE Hexahydrate AR**
**CAS#: 10277-43-7**
**C.I. No.: Not available.**
**Synonym : Not available.**
**Chemical Name: Not available.**
**Chemical Formula: $LaN_3O_9 \cdot 6H_2O$**

**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 |
|---|---|---|
| LANTHANUM NITRATE Hexahydrate | 10277-43-7 | 100 |

# Section 3: Hazards Identification

## Classification of the substance or mixture

## Classification according to Regulation (EC) No 1272/2008

**Oxidizing solids (Category 2)**
**Skin irritation (Category 2)**
**Eye irritation (Category 2)**
**Specific target organ toxicity - single exposure (Category 3)**

## Classification according to EU Directives 67/548/EEC or 1999/45/EC

**Contact with combustible material may cause fire. Irritating to eyes, respiratory system and skin.**

## 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. 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.**

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

**prolonged or repeated exposure can cause:, Blood disorders, Aspiration or inhalation may cause chemical pneumonitis., To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.**

## 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
**nitrogen oxides (NOx), Lanthanum oxides**

### Advice for firefighters
**Wear self-contained breathing apparatus for firefighting if necessary.**

### Further information
**Use water spray to cool unopened containers**.

# Section 6: Accidental Release Measures

### Personal precautions, protective equipment and emergency procedures
**Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, 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
**Sweep up and shovel. Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations (see section 13). Keep in suitable, closed containers for disposal.**

### Reference to other sections
**For disposal see section 13**.

# 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.Keep away from sources of ignition - No smoking.Keep away from heat and sources of ignition.**

**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



# Section 7: Handling and Storage (Continued)

## Conditions for safe storage, including any incompatibilities

**Store in cool place. Keep container tightly closed in a dry and well-ventilated place.**
**Hygroscopic.**

## Specific end use(s)

**no data available**

# Section 8: Exposure Controls/Personal Protection

## Control parameters

## Components with workplace 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).**

### 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, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.**

### Respiratory protection

**Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).**

# Section 9: Physical and Chemical Properties

**Information on basic physical and chemical properties**

| | |
|---|---|
| **a) Appearance Form** | **: Crystaline** |
| **Colour:** | **: Colourless** |
| **b) Odour** | **: No data available** |
| **c) Odour** | **: No data available** |
| **d) pH** | **: No data available** |
| **e) Melting point/freezing point** | **: Melting point/range: 65 - 68 °C** |
| **f) Initial boiling point and boiling range** | **: No data available** |
| **g) Flash point** | **: No data available** |
| **h) Evaporation rate** | **: No data available** |
| **i) Flammability (solid, gas)** | **: No data available** |
| **j) Upper/lower flammability or explosive limits** | **: No data available** |
| **k) Vapour pressure** | **: No data available** |
| **l) Vapour density** | **: No data available** |
| **m) Relative density** | **: No data available** |
| **n) Water solubility** | **: No data available** |
| **o) Partition coefficient: noctanol/ water** | **: No data available** |
| **p) Auto-ignition temperature** | **: No data available** |
| **q) Decomposition temperature** | **: No data available** |
| **r) Viscosity** | **: No data available** |
| **s) Explosive properties** | **: No data available** |
| **t) Oxidizing properties** | **: The substance or mixture is classified as oxidizing with the category 2.** |
| **u) Molecular Weight** | **: 433,01 g/mol** |

**Other safety information**
**No data available**

# Section 10: Stability and Reactivity Data

**Reactivity : No data available**

**Chemical stability : No data available**

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

# Section 10: Stability and Reactivity Data (Continued)

**Conditions to avoid : hygroscopic**

**Incompatible materials : Strong acids, Strong reducing agents.**

**Hazardous decomposition products**
**Other decomposition products - No data available.**

# Section 11: Toxicological Information

**Toxicological information**

**Information on toxicological effects**
**Acute toxicity**
**LD50 Intraperitoneal - mouse - 410 mg/kg**
**Skin corrosion/irritation**
**No data available**
**Serious eye damage/eye irritation**
**No data available**
**Respiratory or skin sensitisation**
**No data available**
**Germ cell mutagenicity**
**No data available**
**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**
**Specific target organ toxicity - single exposure**
**Inhalation - May cause respiratory irritation.**
**Specific target organ toxicity - repeated exposure**
**No data available**
**Aspiration hazard**
**No data available**
**Potential health effects**

| | |
|---|---|
| **Inhalation** | **May be harmful if inhaled. Causes respiratory tract irritation.** |
| **Ingestion** | **May be harmful if swallowed.** |
| **Skin** | **May be harmful if absorbed through skin. Causes skin irritation.** |

# Section 11: Toxicological Information(Continued)

**Eyes** **Causes serious eye irritation.**

### Signs and Symptoms of Exposure

**prolonged or repeated exposure can cause:, Blood disorders, Aspiration or inhalation may cause chemical pneumonitis., To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.**

### Additional Information

**RTECS: Not available**

# Section 12: Ecological Information

### Toxicity

**No data available**

### Persistence and degradability

**No data available**

### Bioaccumulative potential

**No data available**

### Mobility in soil

**No data available**

### Results of PBT and vPvB assessment

**No data available**

### 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. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.**

### Contaminated packaging

**Dispose of as unused product.**

# Section 14: Transport Information

## Land transport (ADR-RID)

**Proper shipping name** : **NITRATES, INORGANIC, N.O.S.**
**UN N°** : **1477**
**H.I. nr** : **50**
**ADR – Class** : **5.1**
**Labelling – Transport** : **5.1: oxidizing substances**
**ADR – Group** :**II**

## Sea transport (IMDG) [English only]

**Proper shipping name** : **NITRATES, INORGANIC, N.O.S.**
**UN N°** : **1477**
**IMO-IMDG - Class or division** : **5.1: oxidizing substances**
**IMO-IMDG - Packing group** :**II**

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

**Proper shipping name** : **NITRATES, INORGANIC, N.O.S.**
**UN N°** : **1477**
**IATA - Class or division** : **5.1: oxidizing substances**
**IATA - Packing group** :**II**

# Section 15: Other Regulatory Information

**This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006**

### Safety, health and environmental regulations/legislation specific for the substance or mixture
**No data available**

### Chemical Safety Assessment
**No data available**

# Section 16 - Additional Information

**References: Not available.**

**Other Special Considerations: Not available.**

## *Disclaimer:*

**The information contained herein in good faith but makes no representations as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose.**

**Oxford Lab Fine Chem LLP makes no representations or warranties, either express or implied, including without limitation any warranties of merchantability, fitness for a particular purpose with respect to the information set forth herein or the product to which the information refers. Accordingly, Oxford Lab Fine Chem LLP will not be responsible for damages resulting from use of or reliance upon this information.**