

## **MATERIAL SAFETY DATA SHEET**

### **LEAD BROMIDE (For Synthesis) MSDS CAS: 10031-22-8**

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

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

**Product Name:** LEAD BROMIDE

**CAS#:** 10031-22-8

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

**Synonym:** Not available.

**Chemical Name:** Not available.

**Chemical Formula:** Not available.

**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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Tel: 91-250-2390989  
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#### **Section 2: Composition and Information on Ingredients**

##### **Composition:**

Name	CAS #	% by Weight
LEAD BROMIDE	10031-22-8	99%

## Section 3: Hazards Identification

### Classification of the substance or mixture

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

Classification : Xn; R20/22  
R33  
N; R50-53

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

Health hazards : Acute toxicity, Oral - Category 4 - Warning (CLP : Acute Tox. 4) H302  
Acute toxicity, Inhalation - Category 4 - Warning (CLP : Acute Tox. 4) H332  
Environmental hazards : Hazardous to the aquatic environment - Acute hazard - Category 1 - Warning  
(CLP: Aquatic Acute 1) H400  
Hazardous to the aquatic environment - Chronic hazard - Category 1 - Warning  
(CLP : Aquatic Chronic 1) H410

### Other hazards

**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. Call a POISON CENTER or doctor if you feel unwell. Remove to fresh air and keep at rest in a position comfortable for breathing.

**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. Call a POISON CENTER or doctor if you feel unwell. Rinse mouth. Do NOT induce vomiting.

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

**Symptoms relating to use :** Danger of serious damage to health by prolonged exposure through inhalation. Swallowing a small quantity of this material will result in serious health hazard.

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

## Section 4: First Aid Measures (Continued)

**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.

### Environmental precautions

**Environmental precautions :** Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters. Avoid release to the environment.

### Methods and material for containment and cleaning up

## Section 6: Accidental Release Measures(Continued)

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

### Reference to other sections

See section 8. Exposure controls/personal protection

## Section 7: Handling and Storage

### Precautions for safe handling

**Handling :** Use only outdoors or in a well-ventilated area. Avoid breathing dust, fume, gas, mist, vapours, spray. 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.

### Specific end use(s)

**Specific end use(s) :** None.

## Section 8: Exposure Controls/Personal Protection

### Exposure controls

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

- **Respiratory protection :** In case of insufficient ventilation, wear suitable respiratory equipment.
- **Hand protection :** Wear protective gloves.

## Section 8: Exposure Controls/Personal Protection(Continued)

• 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

### Information on basic physical and chemical properties

Physical state at 20 °C	: Solid.
Colour	: White crystalline
Odour	: N/A
Odour threshold	: No data available.
pH value	: Not applicable.
Melting point [°C]	: 371 °C
Decomposition point [°C]	: No data available.
Critical temperature [°C]	: No data available.
Auto-ignition temperature [°C]	: No data available.
Flammability (solid, gas)	: No data available.
Flash point [°C]	: No data available.
Boiling point [°C]	: No data available.
Initial boiling point [°C]	: No data available.
Final boiling point [°C]	: No data available.
Evaporation rate	: No data available.
Vapour pressure [20°C]	: No data available.
Vapour pressure mm/Hg	: No data available.
Vapour density	: No data available.
Density [g/cm <sup>3</sup> ]	: No data available.
Relative density, gas (air=1)	: No data available.
Relative density, liquid (water=1)	: No data available.
Solubility in water [% weight]	: No data available.
Solubility in water	: No data available.
Log Pow octanol / water at 20°C	: No data available.
Solubility	: No data available.

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

Viscosity at 40°C [mm<sup>2</sup>/s] : No data available.

### Other information

Explosive properties : No data available.

Explosion limits - upper [%] : No data available.

Explosion limits - lower [%] : No data available.

Oxidizing properties : No data available.

## Section 10: Stability and Reactivity Data

### Reactivity

Reactivity : Not established.

### Chemical stability

Chemical stability : Stable under recommended storage conditions.

### Possibility of hazardous reactions

Hazardous reactions : Not established.

### Conditions to avoid

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

### Incompatible materials

Materials to avoid : Strong acids. Strong bases.

### Hazardous decomposition products

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

## Section 11: Toxicological Information

### Information on toxicological effects

#### Acute toxicity

• Inhalation	: Harmful if inhaled.
• Dermal	: Based on available data, the classification criteria are not met.
• 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

Toxicity information : Very toxic to aquatic life with long lasting effects.

### Persistence – degradability

Persistence - degradability : May cause long-term adverse effects in the environment.

### Bioaccumulative potential

Bioaccumulative potential : Not established.

### Mobility in soil

Mobility in soil : Not established.

### Results of PBT and vPvB assessment



## Section 12: Ecological Information

**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)

Proper shipping name	: LEAD COMPOUND, SOLUBLE, N.O.S.
UN N°	: 2291
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	: LEAD COMPOUND, SOLUBLE, N.O.S.
UN N°	: 2291
IMO-IMDG - Class or division	: 6.1 : Toxic substances.
IMO-IMDG - Packing group	: III



## Section 14: Transport Information(Continued)

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

Proper shipping name : LEAD COMPOUND, SOLUBLE, N.O.S.  
UN N° : 2291  
IATA - Class or division : 6.1 : Toxic substances.  
IATA - Packing group : III

## Section 15: Other Regulatory Information

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

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

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.

## Section 16 - Additional Information

References: Not available.

Other Special Considerations: Not available.

## ***Disclaimer:***

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