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## **MATERIAL SAFETY DATA SHEET**

### **MERCUROUS CHLORIDE (Extra Pure) MSDS CAS : 10112-91-1**

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

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

**Product Name : MERCUROUS CHLORIDE**

**CAS#: 10112-61-1**

**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.  
Mumbai, Maharashtra, INDIA.  
Tel: 91-250-2390989  
Tel/Fax: 91-250-2390032**

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

##### **Composition:**

Name	CAS #	% by Weight
MERCUROUS CHLORIDE	10112-61-1	100

## Section 3: Hazards Identification

### Classification of the substance or mixture

Classification according to Regulation (EC) No 1999/45

**Classification** : Xn; R22  
Xi; R36/37/38  
N; R50-53

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

**Health hazards** : Specific Target Organ Toxicity - Single exposure - Respiratory tract irritation - Category 3 - Warning (CLP : STOT SE 3) H335  
Skin irritation - Category 2 - Warning (CLP : Skin Corr. 2) H315  
Eye irritation - Category 2A - Warning (CLP : Eye Irrit. 2) H319  
Acute toxicity, Oral - Category 4 - Warning (CLP : Acute Tox. 4) H302

**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** : 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**

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

#### **Skin contact**

Wash contaminated clothing before reuse. Wash with plenty of soap and water. If skin irritation occurs : Get medical advice. Specific treatment (see on this label).

#### **Eye contact**

Remove contact lenses, if present and easy to do. Continue rinsing. Rinse cautiously with water for several minutes. If eye irritation persists : Get medical advice.

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

## Section 4: First Aid Measures (Continued)

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

**Symptoms relating to use** : Swallowing a small quantity of this material will result in serious health hazard. Causes serious eye irritation. Causes skin irritation. May cause respiratory irritation.

**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

#### **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 product enters sewers or public waters.

## Section 6: Accidental Release Measures (Continued)

Avoid release to the environment.

### Methods and materials for containment and cleaning

#### 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

: Wash thoroughly after handling. Use only outdoors or in a well-ventilated area. Wash thoroughly after handling. Do not eat, drink or smoke when using this product.

#### Technical protective measures

: Provide good ventilation in process area to prevent formation of vapour.

#### Special precautions

: Avoid breathing dust, fume, gas, mist, vapours, spray.

### 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 uses

#### Specific end use(s)

: None.

## Section 8: Exposure Controls/Personal Protection

### Personal protection

- Respiratory protection
- Hand protection
- Eye protection
- Others

: Avoid all unnecessary exposure.

: Wear respiratory protection.

: Wear protective gloves.

: Chemical goggles or safety glasses.

: 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	: Odorless
Odour threshold	: No data available.
pH value	: Not applicable.
Melting point [°C]	: 277 °C
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]	: 302 °C
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	: 1.7 mm Hg at 236 °C
Vapour density	: N/A
Density [g/cm <sup>3</sup> ]	: 5,44
Relative density, gas (air=1)	: N/A
Relative density, liquid (water=1)	: N/A
Solubility in water [% weight]	: Negligible
Solubility in water	: N/A
Log Pow octanol / water at 20°C	: No data available.
Solubility	: N/A
Viscosity at 40°C [mm <sup>2</sup> /s]	: N/A

### Other information

Explosive properties	: N/A
Explosion limits - upper [%]	: N/A
Explosion limits - lower [%]	: N/A
Oxidising 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 : Based on available data, the classification criteria are not met.
  - Dermal : Based on available data, the classification criteria are not met.
  - Ingestion : Fatal if swallowed.
- Corrosion : Based on available data, the classification criteria are not met.
- Irritation : Causes serious eye irritation.  
: Causes skin irritation.  
: May cause respiratory irritation.

## Section 11: Toxicological Information (Continued)

<b>Sensitization</b>	: Based on available data, the classification criteria are not met.
<b>Mutagenicity</b>	: Based on available data, the classification criteria are not met.
<b>Carcinogenicity</b>	: Based on available data, the classification criteria are not met.
<b>Toxic for reproduction</b>	: Based on available data, the classification criteria are not met.
<b>STOT-single exposure</b>	: Based on available data, the classification criteria are not met.
<b>STOT-repeated exposure</b>	: Based on available data, the classification criteria are not met.
<b>Aspiration hazard</b>	: 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

**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.

**Special precautions :** Hazardous waste due to toxicity.

## Section 14: Transport Information

### Land transport (ADR-RID)

**Proper shipping name** : MERCURY COMPOUND, SOLID, N.O.S.  
**UN N°** : 2025  
**H.I. nr** : 60  
**ADR - Class** : 6.1  
**Labelling - Transport** : 6.1 : Toxic substances.  
**ADR - Group** : II

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

**Proper shipping name** : MERCURY COMPOUND, SOLID, N.O.S.  
**UN N°** : 2025  
**IMO-IMDG - Class or division** : 6.1 : Toxic substances.  
**IMO-IMDG - Packing group** : II

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

**Proper shipping name** : MERCURY COMPOUND, SOLID, N.O.S.  
**UN N°** : 2025  
**IATA - Class or division** : 6.1 : Toxic substances.  
**IATA - Packing group** : II

## **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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