

# OXFORD LAB FINE CHEM LLP

ISO 9001-2008 Certified Company

Regd Office: Unit no 12, 1st Floor,  
Neminath Industrial Estate No.6,  
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Range of  
Laboratory Chemicals

## MATERIAL SAFETY DATA SHEET

### MERCURIC CHLORIDE 5% SOLUTION

MSDS CAS:

## Section 1: Chemical Product and Company Identification

### Section 1: Chemical Product

**Product Name:** MERCURIC CHLORIDE 5% SOLUTION

**CAS#:**

**Chemical Name:** MERCURIC CHLORIDE 5% SOLUTION

**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

SUBSTANCE NAME	CAS NO.	CONTENTS
Mercuric Chloride	7487-94-7	5 %
Water	7732-18-5	95 %

## Section 3: Hazards Identification

### Classification of the substance or mixture

Acute toxicity (oral) Category 2	H300	Fatal if swallowed
Acute toxicity (dermal) Category 3	H311	Toxic in contact with skin
Carcinogenicity Category 2	H351	Suspected of causing cancer
Reproductive toxicity Category 2	H361	Suspected of damaging fertility or the unborn child
Specific target organ toxicity (repeated exposure) Category 2	H373	May cause damage to organs (nervous system) through prolonged or repeated exposure
Hazardous to the aquatic environment - Acute Hazard Category 1	H400	Very toxic to aquatic life
Hazardous to the aquatic environment - Chronic Hazard Category 2	H411	Toxic to aquatic life with long lasting effects

Other hazards not contributing to the classification : None under normal conditions.

## 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.

Immediately call a POISON CENTER or doctor.

**Skin contact:** Wash with plenty of soap and water. Remove/Take off immediately all contaminated clothing. Immediately call a POISON CENTER or doctor.

**Eye contact:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor.

**Ingestion:** Immediately call a POISON CENTER or doctor. Rinse mouth. Do NOT induce vomiting.

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## Section 4: First Aid Measures (Continued)

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

**Symptoms/effects :** Suspected of damaging fertility or the unborn child. Causes damage to organs (central nervous system).

**Symptoms/effects after inhalation :** No data available.

**Symptoms/effects after skin contact :** Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.

**Symptoms/effects after eye contact :** No data available.

**Symptoms/effects after ingestion :** Fatal if swallowed.

**Chronic symptoms :** Impairment of the nervous system

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

Hospitalize at once.

## 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.

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## 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.

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

**Clean up methods** : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

## Section 7: Handling and Storage

**Precautions for safe handling** : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid breathing mist.

**Hygiene measures** : Do not eat, drink or smoke when using this product. Wash exposed skin thoroughly after handling.

### **Conditions for safe storage, including any incompatibilities:**

**Storage conditions** : Keep container closed when not in use.

**Incompatible products** : Strong bases. Strong acids.

**Strong oxidizers.**

**Incompatible materials** : 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.

## Section 9: Physical and Chemical Properties

<b>Physical state and appearance</b>	: Liquid.
<b>Odor</b>	: None.
<b>Taste</b>	: Not available.
<b>Molecular Weight</b>	: Not available.
<b>Color</b>	: Colorless.
<b>pH (1% soln/water)</b>	: Not available.
<b>Boiling Point</b>	: Not available.
<b>Melting Point</b>	: Not available.
<b>Critical Temperature</b>	: Not available.
<b>Specific Gravity</b>	: Not available.
<b>Vapor Pressure</b>	: Not applicable.
<b>Vapor Density</b>	: Not available.
<b>Flash point</b>	: Not available.
<b>Volatility</b>	: Not available.
<b>Odor Threshold</b>	: Not available.
<b>Water/Oil Dist. Coeff.</b>	: Not available.
<b>Ionicity (in Water)</b>	: Not available.
<b>Dispersion Properties</b>	: Not available.
<b>Solubility</b>	: In water, material soluble.

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## 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:** Hydrogen chloride. mercury.

## Section 11: Toxicological Information

**Likely routes of exposure:** Skin and eye contact

**Acute toxicity:** Oral: Fatal if swallowed. Dermal: Toxic in contact with skin.

**IARC group 2B - Possibly carcinogenic to humans**

**Reproductive toxicity:** Suspected of damaging fertility or the unborn child.

**Specific target organ toxicity – single exposure:** Not classified

**Specific target organ toxicity – repeated exposure:** May cause damage to organs (nervous system) through prolonged or repeated exposure.

**Aspiration hazard:** Not classified

**Potential Adverse human health effects and symptoms:** Based on available data, the classification criteria are not met. Toxic in contact with skin. Fatal if swallowed.

**Symptoms/effects after inhalation:** No data available.

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## Section 12: Ecological Information

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

**BOD5 and COD:** Not available.

**Persistence - degradability:** Biodegradability: not applicable. No test data on mobility of the substance available.

**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 recommendation :** Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container to comply with local, state and federal regulations.

**Ecology - waste materials:** Hazardous waste due to toxicity. Avoid release to the environment.

## Section 14: Transport Information

**Land transport (ADR-RID)**

**Proper shipping name :** Mercury compounds, liquid, n.o.s.

**UN N°** : 2024

**ADR - Class** : 6.1

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## Section 14: Transport Information (Continued)

**Labelling – Transport : 6.1 - Class 6.1 - Poisonous materials 49 CFR 173.132**

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

**Proper shipping name** : Mercury compounds, liquid, n.o.s.  
**UN N°** : 2024  
**IMO-IMDG - Class or division** : 6.1 - Class 6.1 - Poisonous materials 49 CFR 173.132  
**IMO-IMDG - Packing group** : II

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

**Proper shipping name** : Mercury compounds, liquid, n.o.s.  
**UN N°** : 2024  
**IATA - Class or division** : 6.1 - Class 6.1 - Poisonous materials 49 CFR 173.132  
**IATA - Packing group** : II

## Section 15: Other Regulatory Information

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

### **CANADA**

**Mercuric Chloride (7487-94-7)**

Listed on the Canadian DSL (Domestic Substances List)

### **National regulations**

**Mercuric Chloride (7487-94-7)**

Listed on the Canadian IDL (Ingredient Disclosure List)

### **US State regulations**

**California Proposition 65 - This product contains, or may contain, trace quantities of a substance(s) known to the state of California to cause cancer, developmental and/or reproductive harm.**



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## Section 16 - Additional Information

References: Not available.

Other Special Considerations: Not available.

### *Disclaimer:*

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