

## **MATERIAL SAFETY DATA SHEET**

### **MERCURIC OXIDE RED AR MSDS CAS : 21908-53-2**

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

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

**Product Name :** MERCURIC OXIDE RED AR

**CAS#:** 21908-53-2

**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
MERCURIC OXIDE RED	21908-53-2	100

## Section 3: Hazards Identification

### Classification of the substance or mixture

#### Classification according to Regulation (EC) No 1999/45

**Classification** : T+; R26/27/28  
R33  
N; R50-53

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

**Health hazards** : Acute toxicity, dermal - Category 1 - Danger (CLP : Acute Tox. 1) H310  
Acute toxicity, Inhalation - Category 2 - Danger (CLP : Acute Tox. 2) H330  
Acute toxicity, Oral - Category 1 - Danger (CLP : Acute Tox. 1) H300

**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**

Assure fresh air breathing. Allow the victim to rest. Specific treatment is urgent (see on this label). Remove to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor.

#### **Skin contact**

Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. Wash contaminated clothing before reuse. Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Specific treatment (see on this label). Immediately call a POISON CENTER or doctor.

#### **Eye contact**

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

**Ingestion** : Do NOT induce vomiting. Rinse mouth. Immediately call a POISON CENTER or doctor. Specific treatment (see on this label).

## Section 4: First Aid Measures (Continued)

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

**Symptoms relating to use** : Fatal if swallowed.  
Fatal in contact with skin.  
Fatal if inhaled.

**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**

## Section 6: Accidental Release Measures (Continued)

**Environmental precautions** : Prevent entry to sewers and public waters. Notify authorities product enters sewers or public waters.  
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** : Do not breathe dust, fume, gas, mist, vapours, spray. 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.

**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** : Avoid all unnecessary exposure.  
: Wear respiratory protection.
- **Hand protection** : Wear protective gloves.
- **Eye protection** : Chemical goggles or safety glasses.
- **Others** : When using, do not eat, drink or smoke.

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

### 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	: Orange red to yellow
Odour	: Odorless
Odour threshold	: No data available.
pH value	: Not applicable.
Melting point [°C]	: 500 °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]	: N/A
Initial boiling point [°C]	: N/A
Final boiling point [°C]	: N/A
Evaporation rate	: 0,6
Vapour pressure [20°C]	: N/A
Vapour pressure mm/Hg	: N/A
Vapour density	: N/A
Density [g/cm <sup>3</sup> ]	: 11,14
Relative density, gas (air=1)	: N/A
Relative density, liquid (water=1)	: N/A
Solubility in water [% weight]	: Insoluble
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

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

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 : Fatal if inhaled.

## Section 11: Toxicological Information (Continued)

• Dermal	: Fatal in contact with skin.
• Ingestion	: Fatal 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

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 OXIDE  
UN N° : 1641  
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 OXIDE  
UN N° : 1641  
IMO-IMDG - Class or division : 6.1 : Toxic substances.  
IMO-IMDG - Packing group : II

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

Proper shipping name : MERCURY OXIDE  
UN N° : 1641  
IATA - Class or division : 6.1 : Toxic substances.  
IATA - Packing group : II

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 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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