

## **MATERIAL SAFETY DATA SHEET**

### **2-MERCAPTO ETHANOL AR** **MSDS CAS : 60-24-2**

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

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

**Product Name : 2-MERCAPTO ETHANOL AR**

**CAS#: 60-24-2**

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

##### **Composition:**

Name	CAS #	% by Weight
2-MERCAPTO ETHANOL	60-24-2	100

## Section 3: Hazards Identification

### Classification of the substance or mixture

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

**Classification** : T; R24  
Xn; R20/22  
C; R34  
N; R51-53

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

**Health hazards** : Acute toxicity, Inhalation - Category 4 - Warning (CLP : Acute Tox. 4) H332  
Acute toxicity, dermal - Category 3 - Danger (CLP : Acute Tox. 3) H311  
Skin corrosion - Category 1B - Danger (CLP : Skin Corr. 1B) H314  
Acute toxicity, Oral - Category 4 - Warning (CLP : Acute Tox. 4) H302

**Environmental hazards** : Hazardous to the aquatic environment - Chronic hazard - Category 2 (CLP : Aquatic Chronic 2) H411

**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. Immediately call a POISON CENTER or doctor. Call a POISON CENTER or doctor if you feel unwell.

#### **Skin contact**

Specific treatment (see on this label). Immediately call a POISON CENTER or doctor. Wash with plenty of soap and water. Remove/Take off immediately all contaminated clothing. Wash contaminated clothing before reuse.

#### **Eye contact**

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

#### **Ingestion :**

## Section 4: First Aid Measures (Continued)

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

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

**Symptoms relating to use** : Repeated exposure to this material can result in absorption through skin causing significant health hazard. Causes severe skin burns and eye damage. 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**

**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.  
Thermal decomposition generates : Corrosive vapours.

**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.

## Section 6: Accidental Release Measures (Continued)

- For non-emergency personnel** : Ventilate area.  
: Evacuate unnecessary personnel.
- Environmental precautions**  
**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 contain ent and cleaning**  
**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.
- Reference to other sections**  
See section 8. Exposure controls/personal protection

## Section 7: Handling and Storage

- Precautions for safe handling**  
**Handling** : Do not eat, drink or smoke when using this product. Do not  
breathe dust, fume, gas, mist, vapours, spray. Wash thoroughly after handling. Wash contaminated clothing  
before reuse. Use only outdoors or in a well-ventilated area.
- 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 regulation** : Comply with applicable regulations.
- 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.  
: In case of insufficient ventilation, wear suitable respiratory equipment.
- 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.

### 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	: Liquid
Colour	: Pale pinkish colour
Odour	: Disagreeable odor
Odour threshold	: No data available.
pH value	: Not applicable.
Melting point [°C]	: < -50 °C
Decomposition point [°C]	: N/A
Critical temperature [°C]	: N/A
Auto-ignition temperature [°C]	: 295 °C
Flammability (solid, gas)	: N/A
Flash point [°C]	: 68 °C
Boiling point [°C]	: 157 °C
Initial boiling point [°C]	: N/A
Final boiling point [°C]	: N/A
Evaporation rate	: N/A
Vapour pressure [20°C]	: 0.76 hPa at 20 °C
Vapour pressure mm/Hg	: N/A
Vapour density	: 2,7
Density [g/cm <sup>3</sup> ]	: 1,114
Relative density, gas (air=1)	: N/A
Relative density, liquid (water=1)	: N/A

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

<b>Solubility in water [% weight]</b>	<b>: Soluble in water</b>
<b>Solubility in water</b>	<b>: N/A</b>
<b>Log Pow octanol / water at 20°C</b>	<b>: No data available.</b>
<b>Solubility</b>	<b>: 4.5 - 6 at 500 g/l a</b>
<b>Viscosity at 40°C [mm<sup>2</sup>/s]</b>	<b>: N/A</b>

### Other information

<b>Explosive properties</b>	<b>: N/A</b>
<b>Explosion limits - upper [%]</b>	<b>: 18%</b>
<b>Explosion limits - lower [%]</b>	<b>: 2,30%</b>
<b>Oxidising properties</b>	<b>: No data available.</b>

## 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.  
Thermal decomposition generates : Corrosive vapours.**

## Section 11: Toxicological Information

### Information on toxicological effects

#### Acute toxicity

- Inhalation : Harmful if inhaled.
  - Dermal : Toxic in contact with skin.
  - Ingestion : Harmful if swallowed.
- Corrosion : Causes severe skin burns and eye damage.
- 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 (Continued)

**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	: THIOGLYCOL
UN N°	: 2966
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	: THIOGLYCOL
UN N°	: 2966
IMO-IMDG - Class or division	: 6.1 : Toxic substances.
IMO-IMDG - Packing group	: II

## Section 14: Transport Information (Continued)

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

Proper shipping name	: THIOGLYCOL
UN N°	: 2966
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 regulations/legislation specific for the substance or mixture** : Ensure all national/local regulations are observed.

**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.

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