

# OXFORD LAB FINE CHEM LLP

ISO 9001-2008 Certified Company

**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  
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info@oxfordlabchem.com  
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## MATERIAL SAFETY DATA SHEET

### ACETIC ACID 0.1M (0.1N) Standard Solution MSDS CAS:

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

##### Section 1: Chemical Product

**Product Name:** ACETIC ACID 0.1M (0.1N) Standard Solution

**CAS#:**

**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

**Substance / Preparation** : Preparation.

**Hazardous component(s)** : This product is not hazardous but contains hazardous components.

## Section 2: Composition and Information on Ingredients (Continued)

Substance name	Contents	CAS No	EC No	Annex No	REACH Ref.	Classification
Acetic acid	> 5 < 10 %	64-19-7	200-580-7	607-002-00-6	-----	R10 C; R35 ----- - Skin Corr. 1A+ _ H314 Eye Dam 1 _ H318 Flam. Liq. 3 _ H226 Acute Tox. 4 (inhal) _ H332
Water	> 75 < 99 %	7732-18-5	231-791-2	-----	-----	Not classified (DSD/DPD) ----- - Not classified (GHS)

## Section 3: Hazards Identification

### Classification of the substance or mixture

Classification EC 67/548 or EC 1999/45: Not classified.

Hazard Class and Category Code(s), Regulation (EC) No 1272/2008 (CLP): Not classified.

### Label elements

Labelling EC 67/548 or EC 1999/45: Not classified.

Symbol(s) : None.  
R Phrase(s) : None.  
S Phrase(s) : None.  
Contains : Water - Acetic acid

Labelling Regulation EC 1272/2008 (CLP): Not classified.

Contains : Water - Sodium acetate - Acetic acid.

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.

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## Section 4: First Aid Measures

### Description of first aid measures

- Inhalation** : Assure fresh air breathing. Allow the victim to rest. 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. Immediately call a POISON CENTER or doctor. Wash with plenty of soap and water. Remove/Take off immediately all contaminated clothing.
- Eye contact** : Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist. 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** : Obtain emergency medical attention. Immediately call a POISON CENTER or doctor. Rinse mouth. Do NOT induce vomiting.

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

**Symptoms relating to use:** Causes severe skin burns and eye damage.

### 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.

## 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

## Section 5: Fire and Explosion Data (Continued)

**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. Ventilate area.

**For non-emergency personnel** : Evacuate unnecessary personnel.

**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

**Handling** : Avoid contact during pregnancy or while nursing. Do not breathe dust, fume, gas, mist, vapours, spray. 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

### Section 7: Handling and Storage (Continued)

**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 use(s)** : None.

### 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 face shield.
- **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

<b>Physical state at 20 °C</b>	: Liquid.
<b>Colour</b>	: Colorless
<b>Odour</b>	: Characteristic.
<b>Odour threshold</b>	: No data available.
<b>pH value</b>	: No data available.
<b>Melting point [°C]</b>	: No data available.
<b>Decomposition point [°C]</b>	: N/A
<b>Critical temperature [°C]</b>	: No data available.

**Auto-ignition temperature [°C] : No data available.**

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

<b>Flammability (solid, gas)</b>	<b>: N/A</b>
<b>Flash point [°C]</b>	<b>: No data available.</b>
<b>Boiling point [°C]</b>	<b>: N/A</b>
<b>Initial boiling point [°C]</b>	<b>: No data available.</b>
<b>Final boiling point [°C]</b>	<b>: No data available.</b>
<b>Evaporation rate</b>	<b>: N/A</b>
<b>Vapour pressure [20°C]</b>	<b>: No data available.</b>
<b>Vapour pressure mm/Hg</b>	<b>: N/A</b>
<b>Vapour density</b>	<b>: N/A</b>
<b>Density [g/cm<sup>3</sup>]</b>	<b>: 1</b>
<b>Relative density, gas (air=1)</b>	<b>: N/A</b>
<b>Relative density, liquid (water=1)</b>	<b>: N/A</b>
<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>: No data available</b>
<b>Viscosity at 40°C [mm<sup>2</sup>/s]</b>	<b>: No data available.</b>

### Other information

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

### Section 10: Stability and Reactivity Data (Continued)

**Hazardous reactions** : Not established.

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

**Materials to avoid** : Strong acids. Strong bases.

**Hazardous decomposition products:** Fumes. Carbon monoxide. Carbon dioxide.  
Thermal decomposition generates : Corrosive vapours.

### Section 11: Toxicological Information

#### Information on toxicological effects

**Toxicity information** : The product has been not fully tested. The calculated risk has been done under the requirements of the EU regulations.

#### 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** : Based on available data, the classification criteria are not met.
- 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

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**Toxicity information :** The product has been not fully tested. The calculated risk has been done under the

## Section 12: Ecological Information

requirements of the EU regulations.

### Persistence - degradability

**Persistence - degradability :** Biodegradable.

**Bioaccumulative potential :** Not established.

**Mobility in soil :** Not established.

**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)

**General information :** Unregulated.

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



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**General information : Unregulated..**

## Section 14: Transport Information (Continued)

Air transport (ICAO-IATA) [English only]

**General information : Unregulated.**

## 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 : It has not been carried out.

## Section 16 - Additional Information

References: Not available.

Other Special Considerations: Not available.

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