OXFORD LAB FINE CHEM LLP
ISO 9001-2008 Certified Company

Regd Office: Unit no 12, 1st Floor,
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Oxford
Range of
Laboratory Chemicals

MATERIAL SAFETY DATA SHEET

ACETIC ACID 0.5M (0.5N) Standard Solution

MSDS CAS : -

Section 1: Chemical Product and Company Identification

Section 1: Chemical Product
Product Name: ACETIC ACID 1M (1N) Standard Solution
CAS#: 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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Mumbai, Maharashtra, INDIA.
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Section 2: Composition and Information on Ingredients

Substance / Preparation : **Preparation.**

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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.

Health hazards : Skin irritation - Category 2 - Warning (CLP : Skin Corr. 2) H315
Serious eye damage - Category 1 - Danger (CLP : Eye Dam. 1) H318

Label elements

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

Contains : Water - Acetic acid

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

Signal words : Danger
Hazard statements : H318 : Causes serious eye damage.
H315 : Causes skin irritation.

Section 3: Hazards Identification (Continued)

Precautionary statements

- **Prevention** : **P280: Wear protective gloves, protective clothing, eye protection, face protection.**
  P264: Wash thoroughly after handling.
- **Response** : **P302+P352: IF ON SKIN : Wash with plenty of soap and water.**
  P332+P313: If skin irritation occurs : Get medical advice.
  P305+P351+P338: IF IN EYES : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
  P363: Wash contaminated clothing before reuse.

Contains : **Water - 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.**

Section 4: First Aid Measures

Description of first aid measures

Inhalation : **Assure fresh air breathing. Allow the victim to rest.**

Skin contact : **Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. Specific treatment . Get medical advice. If skin irritation occurs**
: **Wash with plenty of soap and water. Wash contaminated clothing before reuse**

Eye contact : **Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist. Rinse cautiously with water for several minutes. Immediately call a POISON CENTER or doctor. Remove contact lenses, if present and easy to do. Continue rinsing.**

Ingestion : **Obtain emergency medical attention. Rinse mouth. Do NOT induce vomiting.**

Most important symptoms and effects, both acute and delayed

Symptoms relating to use: **Causes serious eye damage. Causes skin 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.**

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 respirator 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.
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. Store away from other materials. Collect spillage. Store away from other materials.

Section 7: Handling and Storage

Precautions for safe handling
Handling : Wash thoroughly after handling.

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Section 7: Handling and Storage (Continued)

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 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 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	**: Colorless**
Odour	**: Characteristic.**
Odour threshold	**: No data available.**
pH value	**: No data available.**
Melting point [°C]	**: No data available.**
Decomposition point [°C]	**: N/A**
Critical temperature [°C]	**: No data available.**

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Section 9: Physical and Chemical Properties (Continued)

Auto-ignition temperature [°C]	**: No data available.**
Flammability (solid, gas)	**: N/A**
Flash point [°C]	**: No data available.**
Boiling point [°C]	**: N/A**
Initial boiling point [°C]	**: No data available.**
Final boiling point [°C]	**: No data available.**
Evaporation rate	**: N/A**
Vapour pressure [20°C]	**: No data available.**
Vapour pressure mm/Hg	**: N/A**
Vapour density	**: N/A**
Density [g/cm3]	**: No data available.**
Relative density, gas (air=1)	**: N/A**
Relative density, liquid (water=1)	**: N/A**
Solubility in water [% weight]	**: No data available.**
Solubility in water	**: N/A**
Log Pow octanol / water at 20°C	**: No data available.**
Solubility	**: No data available**
Viscosity at 40°C [mm2/s]	**: No data available.**

Other information

Explosive properties	**: N/A**
Explosion limits - upper [%]	**: No data available.**
Explosion limits - lower [%]	**: No data available.**
Oxidising properties	**: No data available.**

Section 10: Stability and Reactivity Data

Reactivity

Reactivity : **Not established.**

Chemical stability

Chemical stability : **Stable under recommended storage conditions.**

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Section 10: Stability and Reactivity Data (Continued)

Possibility of hazardous reactions

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.

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 serious eye damage.**
Irritation : **Causes skin irritation.**
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.**

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Section 12: Ecological Information

Toxicity

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

ersistence - 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.

Section 14: Transport Information

Land transport (ADR-RID)

General information : Unregulated.

Sea transport (IMDG) [English only]

General information : Unregulated.

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Section 14: Transport Information (Continued)

Air transport (ICAO-IATA) [English only]

General information : Unregulated.

Section 15: Other Regulatory Information

Abbreviations and acronyms : PBT: persistent, bioaccumulative and toxic.
vPvB : very persistent and very bioaccumulative
Sources of key data used : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006
List of relevant R phrases (heading 3) : R10 : Flammable.
R35 : Causes severe burns.
List of full text of H-statements in section 3 : H226 : Flammable liquid and vapour.
H314 : Causes severe skin burns and eye damage.
H318 : Causes serious eye damage.
H332 : Harmful if inhaled.
Further information : None

Section 16 - Additional Information

References: Not available.

Other Special Considerations: Not available.

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