OXFORD LAB FINE CHEM LLP

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Oxford
Range of
Laboratory Chemicals

MATERIAL SAFETY DATA SHEET

OXALIC ACID 0.5 mol/L (1N) Solution

MSDS CAS: -

Section 1: Chemical Product and Company Identification

Section 1: Chemical Product

Product Name: OXALIC ACID 0.5 mol/L (1N)Solution
CAS#: - Mixture
Synonym:
Chemical Name: Not applicable.
Chemical Formula: Not applicable.

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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Section 2: Composition and Information on Ingredients

Composition:

Name	CAS #	% by Weight
Oxalic Acid Anhydrous	6153-56-6	0.63
Water	7732-18-5	99.4

Toxicological Data on Ingredients: Oxalic acid anhydrous: ORAL (LD50): Acute: 24 mg/kg [Rat].

Section 3: Hazards Identification

Potential Acute Health Effects:
Slightly hazardous in case of skin contact (irritant), of ingestion. Non-sensitizer for skin.

Potential Chronic Health Effects:
Non-corrosive for skin. Non-irritant for skin. Non-sensitizer for skin. Non-permeated by skin. Non-irritating to the eyes. Non-hazardous in case of ingestion. Non-hazardous in case of inhalation. CARCINOGENIC EFFECTS: Not available. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available. The substance is toxic to lungs, mucous membranes. Repeated or prolonged exposure to the substance can produce target organs damage.

Section 4: First Aid Measures

Eye Contact: Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Cold water may be used.
Skin Contact: In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Cover the irritated skin with an emollient. Cold water may be used.Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention immediately.
Serious Skin Contact: Not available.
Inhalation: Allow the victim to rest in a well ventilated area. Seek immediate medical attention.
Serious Inhalation: Not Available.
Ingestion: Do not induce vomiting. Examine the lips and mouth to ascertain whether the tissues are damaged, a possible indication that the toxic material was ingested; the absence of such signs, however, is not conclusive. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek immediate medical attention.
Serious Ingestion: Not available.

Section 5: Fire and Explosion Data

Flammability of the Product: Non-flammable.
Auto-Ignition Temperature: Not available.
Flash Points: Not available.
Flammable Limits: Not available.
Products of Combustion: Not available.
Fire Hazards in Presence of Various Substances: Not applicable.

Section 5: Fire and Explosion Data (Continued)

Explosion Hazards in Presence of Various Substances: Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available.

Fire Fighting Media and Instructions: Not applicable.

Special Remarks on Fire Hazards: Not available.

Special Remarks on Explosion Hazards: Not available.

Section 6: Accidental Release Measures

Small Spill:

Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

Large Spill:

Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities.

Section 7: Handling and Storage

Precautions:

Do not ingest. Wear suitable protective clothing If ingested, seek medical advice immediately and show the container or the label. Keep container tightly closed and in a well-ventilated place.

Storage:

No specific storage is required. Use shelves or cabinets sturdy enough to bear the weight of the chemicals. Be sure that it is not necessary to strain to reach materials, and that shelves are not overloaded.

Section 8: Exposure Controls/Personal Protection

Engineering Controls: No special ventilation requirements.

Personal Protection: Safety glasses. Lab coat.

Section 8: Exposure Controls/Personal Protection (Continued)

Personal Protection in Case of a Large Spill: Splash goggles. Full suit. Boots. Gloves. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.
Exposure Limits: TWA: 1 CEIL: 2 (mg/m3) from ACGIH [1995] Consult local authorities for acceptable exposure limits.

Section 9: Physical and Chemical Properties

Physical state and appearance	: Not available.
Odour	: Not available.
Taste	: Not available.
Molecular Weight	: Not applicable.
Colour	: Colourless, White.
pH (1% soln/water)	: Neutral.
Boiling Point	: Not available.
Melting Point	: Not available.
Critical Temperature	: Not available.
Specific Gravity	: The only known value is 1 (Water = 1) (Water).
Vapour Pressure	: Not applicable.
Vapour Density	: Not available.
Volatility	: Not available.
Odour Threshold	: Not available.
Water/Oil Dist. Coeff.	: Not available.
Iconicity (in Water)	: Not available.
Dispersion Properties	: See solubility in water.
Solubility	: Easily soluble in cold water.

Section 10: Stability and Reactivity Data

Stability: The product is stable.
Instability Temperature: Not available.
Conditions of Instability: Not available.
Incompatibility with various substances: Not available.
Corrosivity: Non-corrosive in presence of glass.

Section 10: Stability and Reactivity Data (Continued)

Special Remarks on Reactivity: Not available.
Special Remarks on Corrosivity: Not available.
Polymerization: Not available.

Section 11: Toxicological Information

Routes of Entry: Not available.
Toxicity to Animals: Acute oral toxicity (LD50): 375 mg/kg [Rat]. Acute dermal toxicity (LD50): 20000 mg/kg [Rabbit].
Chronic Effects on Humans: The substance is toxic to lungs, mucous membranes.
Other Toxic Effects on Humans: Slightly hazardous in case of skin contact (irritant), of ingestion. Non-sensitizer for skin.
Special Remarks on Toxicity to Animals: Not available.
Special Remarks on Chronic Effects on Humans: Passes through the placental barrier in animal. (Oxalic acid anhydrous)
Special Remarks on other Toxic Effects on Humans: Not available.

Section 12: Ecological Information

Eco toxicity: Not available.
BOD5 and COD: Not available.
Products of Biodegradation: Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.
Toxicity of the Products of Biodegradation: The products of degradation are less toxic than the product itself.
Special Remarks on the Products of Biodegradation: Not available.

Section 13: Disposal Considerations

Waste Disposal:

Section 14: Transport Information

Land transport (ADR-RID)

General information : **Not regulated.**

Sea transport (IMDG)

General information : **Not regulated.**

Air transport (ICAO-IATA)

General information : **Not regulated.**

Section 15: Other Regulatory Information

Federal and State Regulations: **Pennsylvania RTK: Oxalic Acid, 0.1N Massachusetts RTK: Oxalic Acid, 0.1N TSCA 8(b) inventory: Oxalic acid anhydrous; Water**
Other Regulations: **OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).**
Other Classifications:
WHMIS (Canada): **CLASS D-1B: Material causing immediate and serious toxic effects (TOXIC). CLASS D-2A: Material causing other toxic effects (VERY TOXIC).**
DSCL (EEC): **R22- Harmful if swallowed.**
Health Hazard: **1**
Fire Hazard: **0**
Reactivity: **0**
Personal Protection: **A**
National Fire Protection Association (U.S.A.):
Health: **1**
Flammability: **0**
Reactivity: **0**
Specific hazard:
Protective Equipment: **Not applicable. Lab coat. Wear appropriate respirator when ventilation is inadequate. Safety glasses.**

Section 16 - Additional Information

References: Not available.

Other Special Considerations: Not available.

Disclaimer:

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