OXFORD LAB FINE CHEM LLP

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

Oxford
Range of
Laboratory Chemicals

MATERIAL SAFETY DATA SHEET

AMMONIUM THIOSULPHATE

(Extra Pure)

MSDS CAS: 7783-18-8

Section 1: Chemical Product and Company Identification

Section 1: Chemical Product

Product Name: AMMONIUM THIOSULPHATE
CAS#: 7783-18-8
C.I. No.: Not available.
Synonym:
Chemical Name: Thio-sul; Diammonium Thiosulfate; Ammonium Hyposulfite
Chemical Formula: H8-N2.O3-S2

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
Ammonium Thiosulfate{2}	7783-18-8	100

Toxicological Data on Ingredients: Not applicable.

Section 3: Hazards Identification

Potential Acute Health Effects: Slightly hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion, of inhalation.

Potential Chronic Health Effects: CARCINOGENIC EFFECTS: Not available. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available. Repeated or prolonged exposure is not known to aggravate medical condition.

Section 4: First Aid Measures

Eye Contact: Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Get medical attention if irritation occurs.

Skin Contact: Wash with soap and water. Cover the irritated skin with an emollient. Get medical attention if irritation develops. Cold water may be used.

Serious Skin Contact: Not available.

Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Serious Inhalation: Not available.

Ingestion: Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms appear.

Serious Ingestion: Not available.

Section 5: Fire and Explosion Data

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

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 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 readily combustible. When heated to decomposition (or in fires) it emits toxic fumes of ammonia, hydrogen sulfide, oxides of nitrogen, sulfur.
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: Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

Section 7: Handling and Storage

Precautions: Do not ingest. Do not breathe dust. If ingested, seek medical advice immediately and show the container or the label. Keep away from incompatibles such as oxidizing agents, metals, acids, alkalis.

Storage: Keep container tightly closed. Keep container in a cool, well-ventilated area. Hygroscopic

Section 8: Exposure Controls/Personal Protection

Engineering Controls: Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

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 8: Exposure Controls/Personal Protection (Continued)

Personal Protection: **Safety glasses. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.**

Personal Protection in Case of a Large Spill: **Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self-contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.**

Exposure Limits: **Not available.**

Section 9: Physical and Chemical Properties

Physical state and appearance: **Solid. (Crystals solid. Crystalline powder.)**

Odor	**: Ammoniacal.**
Taste	**: Not available.**
Molecular Weight	**: 148.21 g/mole**
Color	**: White.**
pH (1% soln/water)	**: Not available.**
Boiling Point	**: Not available.**
Melting Point	**: Decomposition temperature: 150°C (302°F)**
Flash Point	**: Not available.**
Critical Temperature	**: Not available.**
Specific Gravity	**: Density: 1.679 (Water = 1)**
Vapor Pressure	**: Not applicable**
Vapor Density	**: Not available.**
Volatility	**: Not available.**
Odor Threshold	**: Not available.**
Water/Oil Dist. Coeff.	**: Not available**
Ionicity (in Water)	**: Not available.**
Dispersion Properties	**: See solubility in water, Acetone**

Solubility **: Easily soluble in cold water, hot water. Slightly soluble in acetone. Insoluble in diethyl ether. Solubility in water: 103.3 g/100 ml water @ 100 deg. C. Insoluble in alcohol**

Section 10: Stability and Reactivity Data

Stability: The product is stable.
Instability Temperature: Not available.
Conditions of Instability: Incompatible materials, moisture
Incompatibility with various substances: Reactive with oxidizing agents, metals, acids, alkalis.
Corrosivity: Not available.
Special Remarks on Reactivity: Incompatible with aluminum and magnesium. Decomposes on heating. Hygroscopic; keep container tightly closed.
Special Remarks on Corrosivity: Copper-based alloys are seriously corroded by ammonium thiosulfate
Polymerization: Will not occur.

Section 11: Toxicological Information

Routes of Entry: Inhalation. Ingestion.
Toxicity to Animals: Acute oral toxicity (LD50): 1098 mg/kg [Guinea pig].
Chronic Effects on Humans: Not available
Other Toxic Effects on Humans: Slightly hazardous in case of skin contact (irritant), of ingestion, of inhalation.
Special Remarks on Toxicity to Animals: Not available.
Special Remarks on Chronic Effects on Humans: Not available.
Special Remarks on other Toxic Effects on Humans: Acute Potential Health Effects: Skin: May cause skin irritation. Eyes: Causes eye irritation. Inhalation: Causes respiratory tract irritation. Ingestion: May cause gastrointestinal tract irritation with diarrhea. May affect behavior/central nervous system (somnolence, convulsions, ataxia). respiration (emphysema), Kidneys (acute renal failure, acute tubular necrosis), blood (hemorrhage). The toxicological properties of this substance have not been fully investigated.

Section 12: Ecological Information

Ecotoxicity: 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 product itself and its products of degradation are not toxic.
Special Remarks on the Products of Biodegradation: Not available.

Section 13: Disposal Considerations

Waste Disposal: **Waste must be disposed of in accordance with federal, state and local environmental control regulations.**

Section 14: Transport Information

Land transport (ADR-RID)

General Information: **Not Regulated**

Sea transport (IMDG) [English only]

General Information: **Not Regulated**

Air transport (ICAO-IATA) [English only]

General Information: **Not Regulated**

Section 15: Other Regulatory Information

Federal and State Regulations: **Illinois toxic substances disclosure to employee act: Ammonium Thiosulfate Pennsylvania RTK: Ammonium Thiosulfate Massachusetts RTK: Ammonium Thiosulfate Massachusetts spill list: Ammonium Thiosulfate New Jersey: Ammonium Thiosulfate TSCA 8(b) inventory: Ammonium Thiosulfate**

Other Regulations: **EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances.**

Other Classifications:

WHMIS (Canada): **Not controlled under WHMIS (Canada).**

DSCL (EEC): **This product is not classified according to the EU regulations. S24/25- Avoid contact with skin and eyes. S36/37/39- Wear suitable protective clothing, gloves and eye/face protection.**

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 (Continued)

HMIS (U.S.A.):
Health Hazard: 1
Fire Hazard: 0
Reactivity: 0
Personal Protection: E
National Fire Protection Association (U.S.A.):
Health: 1
Flammability: 0
Reactivity: 0
Specific hazard:

Protective Equipment: Gloves. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Safety glasses.

Section 16 - Additional Information

References: Not available.

Other Special Considerations: Not available.

Disclaimer:

****

The information contained herein in good faith but makes no representations as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose.

Oxford Lab Fine Chem LLP makes no representations or warranties, either express or implied, including without limitation any warranties of merchantability, fitness for a particular purpose with respect to the information set forth herein or the product to which the information refers. Accordingly, Oxford Lab Fine Chem LLP will not be responsible for damages resulting from use of or reliance upon this information.