

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.
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Tel: +91 250 2390032 / 2390989 / 2390990
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MATERIAL SAFETY DATA SHEET

COPPER AAS STANDARD SOLUTION (1000mg/L Cu IN DILUTED HNO3) MSDS CAS:

Section 1: Chemical Product and Company Identification

Section 1: Chemical Product

Product Name: COPPER AAS STANDARD SOLUTION-1000mg/L Cu IN DILUTED HNO3

CAS#:

Chemical Name: COPPER AAS STANDARD SOLUTION-1000mg/L Cu IN DILUTED HNO3

Chemical Formula:

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
COPPER FINE POWDER AR (325 mesh) 99.7%	7440-50-8	> 0.01 < 1 %
Nitric acid	7697-37-2	> 1 < 5 %
Water	7732-18-5	> 75 < 99 %

Toxicological Data on Ingredients: Not available.

Section 3: Hazards Identification

Classification of the substance or mixture

Classification EC 67/548 or EC 1999/45

Classification : Xi; R36/38

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

Health hazards : Skin irritation - Category 2 - Warning (CLP : Skin Corr. 2) H315
Eye irritation - Category 2A - Warning (CLP : Eye Irrit. 2) H319

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: Specific treatment (see on this label). Get medical advice. If skin irritation occurs: Wash with plenty of soap and water. Wash contaminated clothing before reuse.

Eye contact: If eye irritation persists: Get medical advice. Rinse cautiously with water for several minutes. 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 irritation.

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 (show the label where possible).

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 including respiratory protection. : Do not enter fire area without proper protective equipment,

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

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:

Wash thoroughly after handling. Wash thoroughly after handling. Provide good ventilation in process area to prevent formation of vapour.

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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 - away from: Strong bases. Strong acids. Sources of ignition. Direct sunlight.

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

Physical state and appearance

: Liquid.

Odor

: Characteristic.

Taste

: Not available.

Molecular Weight

: Not available.

Color

: Colorless.

pH (1% soln/water)

: Not available.

Boiling Point

: 100°C

Melting Point

: Not available.

Critical Temperature

: Not available.

Specific Gravity

: Not available.

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

: Not available.

Solubility

: Not available.

Section 10: Stability and Reactivity Data

Stability: The product is stable.

Instability Temperature: Not available.

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

Incompatibility with various substances: Not available.

Materials to avoid: Strong acids. Strong bases.

Special Remarks on Reactivity: Not available.

Special Remarks on Corrosivity: Not available.

Hazardous decomposition products: Fumes. Carbon monoxide. Carbon dioxide.

Polymerization: No.

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

Irritation: Causes serious eye 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 information: The product has been not fully tested. The calculated risk has been done under the requirements of the EU regulations.

BOD5 and COD: Not available.

Persistence - degradability: Biodegradable.

Bioaccumulative potential: Not established.

Toxicity of the Products of Biodegradation: Not available.

Special Remarks on the Products of Biodegradation: Not available.

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.

Environmental precautions: Avoid release to the environment.

Section 13: Disposal Considerations

Waste Disposal: Avoid release to the environment. Dispose in a safe manner in accordance with local/national regulations.

Section 14: Transport Information

Land transport (ADR-RID)

Proper shipping name : CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S.

UN N° : 3264

ADR - Class : 8

Labelling – Transport : 8 : Corrosive substance.

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Section 14: Transport Information (Continued)

Sea transport (IMDG) [English only]

Proper shipping name : CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S.
UN N° : 3264
IMO-IMDG - Class or division : 8 : Corrosive substance.
IMO-IMDG - Packing group : III

Air transport (ICAO-IATA) [English only]

Proper shipping name : CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S.
UN N° : 3264
IATA - Class or division : 8 : Corrosive substance.
IATA - Packing group : III

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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