

MATERIAL SAFETY DATA SHEET

ZINC AAS STANDARD SOLUTION

1000 ± 2 mg/Ltr. Zn In Diluted HNO₃

MSDS CAS: -

Section 1: Chemical Product and Company Identification

Section 1: Chemical Product

Product Name: Zinc Aas Standard Solution 1000 ± 2 mg/Ltr. Zn In Diluted HNO₃

Synonym:

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.
Tel: 91-250-2390989
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Section 2: Composition and Information on Ingredients

Substance / Preparation : Preparation.

Hazardous component(s) : This product is hazardous.

Substance name	Contents	CAS No	EC No	Annex No	Classification
Zinc powder - zinc dust (pyrophoric)	> 0.01 < 1 %	7440-66-6	231-175-3	030-001-00-1	N; R50-53 ----- Aquatic Acute 1 _ H400 Aquatic Chronic 1 _ H410

Section 2: Composition and Information on Ingredients (Continued)

Substance name	Contents	CAS No	EC No	Annex No	Classification
Nitric acid	> 1 < 5 %	7697-37-2	231-714-2	007-004-00-1	O; R8 C; R35 ----- Ox. Liq. 1 _ H271 Skin Corr. 1A _ H314
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 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

Label elements

Labelling EC 67/548 or EC 1999/45

Symbol(s): Xi: Irritant

R Phrase(s): R36/38: Irritating to eyes and skin.

Contains: Water - Nitric acid - Zinc powder - zinc dust (pyrophoric)

Labelling Regulation EC 1272/2008 (CLP)

Signal words: Warning

Hazard statement: H319: Causes serious eye irritation.

H315: Causes skin irritation.

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.

Section 3: Hazards Identification (Continued)

Contains: Water - Nitric acid - Zinc powder - zinc dust (pyrophoric)

2.3. Other hazards

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

Eye contact: Get medical advice. If eye irritation persists: Remove contact lenses, if present and easy to do. Continue rinsing. Rinse cautiously with water for several minutes.

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

Section 5: Fire and Explosion Data (Continued)

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:

Environmental precautions: Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters. Avoid release to the environment.

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.

Reference to other sections: See section 8. Exposure controls/personal protection

Section 7: Handling and Storage

7.1. Precautions for safe handling:

Handling: Wash thoroughly after handling.
Wash thoroughly after handling.

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. Wash thoroughly after handling. Do not eat, drink or smoke when using this product.

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

Specific end use(s): Specific end use(s): None.

Section 8: Exposure Controls/Personal Protection

Exposure controls:

Personal protection:

- Respiratory protection:
- Hand protection:
- Skin protection:
- Eye protection:
- Others:

Avoid all unnecessary exposure.

Wear approved mask.

Wear protective gloves.

Wear suitable protective clothing.

Chemical goggles or safety glasses.

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.
Solubility in water:	No data available.
Log Pow octanol / water at 20°C:	No data available.
Solubility:	N/A
Viscosity at 40°C [mm ² /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: Not established.

Chemical stability: Stable under recommended storage conditions.

Section 10: Stability and Reactivity Data (Continued)

Possibility of hazardous reactions: Not established.

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

Incompatible 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: Fatal if swallowed.

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: May cause genetic defects.

Carcinogenicity: May cause cancer.

Toxic for reproduction: May damage fertility. May damage the unborn child.

STOT-single exposure: Based on available data, the classification criteria are not met.

STOT-repeated exposure: May cause damage to organs through prolonged or repeated exposure.

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

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.

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.

Section 12: Ecological Information (Continued)

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)

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

UN N°: 3264

H.I. nr: 8

ADR - Class: 8

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

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Section 15: Other Regulatory Information

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.

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.

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