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

BISMUTH AAS STANDARD SOLUTION
1000mg/l Bi In Diluted HNO_3

MSDS CAS :-

Section 1: Chemical Product and Company Identification

Section 1: Chemical Product
Product Name:BISMUTH AAS STANDARD SOLUTION 1000mg/l Bi In Diluted HNO_3
CAS#:
C.I. No.:Not available.
Synonym:Not available.
Chemical Name:Not available.
Chemical Formula:
Molecular Weight:

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
WATER	7732-18-5	80 – 90
NITRIC ACID	7697-37-2	10 – 20
BISMUTH SUBNITRATE	1304-85-4	0.1 – 0.5

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 3: Hazards Identification

Symbol(s): **Xi : Irritant**

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

S Phrase(s):

S24 : Avoid contact with skin.
S26 :In case of contact with eyes, rinse immediately with plenty of water and seekmedical advice.
S35 :This material and its container must be disposed of in a safe way.
S36/37 :Wear suitable protective clothing and gloves.
S51 :Use only in well-ventilated areas.
S59 :Refer to manufacturer/supplier for information on recovery/recycling.

Contains: **Water - Nitric acid - BISMUTH (METAL) GRANULAR 99.5%**

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

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.

Section 4: First Aid Measures (Continued)

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 respiratoryprotection.

Special procedures: Exercise caution when fighting any chemical fire. Avoid (reject) fire-fighting water toenter 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: Prevent entry to sewers and public waters. Notify authorities if product enterssewers 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 aspossible. Collect spillage. Store away from other materials.

Reference to other sections:Exposure controls/personal protection.

Section 7: Handling and Storage

Precautions for safe handling:

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

Technical protective measures: Provide good ventilation in process area to prevent formation of vapour.

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

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 and Appearance	**: Colourless Liquid**
Odour	**: Odourless.**
Odour threshold	**: Not available**
pH	**: Not available**
Melting point	**: Not applicable**
Boiling point	**: ≈ 100 °C**
Freezing point	**: ≈ 0 °C**
Auto-Ignition temperature	**: Not available**
Decomposition point [°C]	**: Not available**
Critical temperature [°C]	**: Not available**
Flammability (solid, gas)	**: Not available**
Vapour pressure [20°C]	**: Not available**
Vapour pressure mm/Hg	**: Not available**
Density [g/cm3]	**: Not available**
Solubility in water	**: Not available**

Section 10: Stability and Reactivity Data

Reactivity: Not established.

Chemical stability: Stable under recommended storage conditions.

Hazardous reactions: Not established.

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

Incompatible materials:

Materials to avoid: **Strong acids. Strong bases.**

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

Section 11: Toxicological Information

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.**

Section 12: Ecological Information

Toxicity information: **The product has been not fully tested. The calculated risk has been done under therequirements 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.

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	**: 80**
ADR - Class	**: 8**
Labelling - Transport	**: 8 : Corrosive substance.**
ADR - Group	**: III**

Section 14: Transport Information (Continued)

Sea transport (IMDG)

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

Air transport (ICAO-IATA)

Proper shipping name	**: CORROSIVE LIQUID, ACIDIC, INORGANIC,**
N.O.SUN N°	**: 3264**

Section 14: Transport Information (Continued)

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: Ensure all national/local regulations are observed. regulations/legislation specific for thesubstance or mixture.

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: It has not been carried out.

Section 16 - Additional Information

Revision: See : *

Abbreviations and acronyms: PBT: persistent, bioaccumulative and toxic. vPvB: very persistent and very bioaccumulative.

Section 16 - Additional Information (Continued)

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

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 16 - Additional Information (Continued)

List of relevant R phrases (heading 3): R8 : **Contact with combustible material may cause fire.R35 : Causes severe burns.List of full text of H-statements in: H271 : May cause fire or explosion; strong oxidizer.**

Section 3: H314 : Causes severe skin burns and eye damage.

Further information: None.

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 ChemLLP 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.