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

SILVER NITRATE 0.05N VOLUMETRIC SOLUTION

Section 1: Chemical Product and Company Identification

Section 1: Chemical Product
Product Name: SILVER NITRATE 0.05N VOLUMETRIC SOLUTIO
Cas No. : NA
Molecular Weight: NA
Chemical Formula: NA

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	Product identifier	Purity %
Water	7732-18-5	≥99
SILVER NITRATE 0.05N VOLUMETRIC SOLUTION	7761-88-8	0.88

Section 3: Hazards Identification

Classification of the substance or mixture
Classification EC 67/548 or EC 1999/45: Not classified.
Hazard Class and Category Code(s), Regulation (EC) No 1272/2008 (CLP): Not classified.
Label elements
Labelling EC 67/548 or EC 1999/45: Not classified.
Symbol(s): None.
R Phrase(s): None.
S Phrase(s): None.
Contains: Water - SILVER NITRATE 0.05N VOLUMETRIC SOLUTION
Labelling Regulation EC 1272/2008 (CLP): Not classified.
Hazard pictograms
Contains: Water - SILVER NITRATE 0.05N VOLUMETRIC SOLUTION

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: Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.
Eye contact: Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
Ingestion: Obtain emergency medical attention. Rinse mouth. Do NOT induce vomiting.
Most important symptoms and effects, both acute and delayed
Symptoms relating to use: Not expected to present a significant hazard under anticipated conditions of normal use.
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

Fire Fighting Measures
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 protection.
Special procedures: Exercise caution when fighting any chemical fire. Avoid (reject) fire-fighting water to enter environment.

Section 6: Accidental Release Measures

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 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

Handling: Wash hands and other exposed areas with mild soap and water before eat, drink or smoke and when leaving work.
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.

Section 8: Exposure Controls/Personal Protection

Personal protection: Avoid all unnecessary exposure.
Respiratory protection: Wear approved mask.
Hand protection: Wear protective gloves.
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	: Liquid.
Colour	: Clear Colorless.
Odour	: odourless.
Relative evaporation rate (butylacetate=1)	: > 1
pH value	: No data available.
Melting point [°C]	: No data available.
Decomposition point [°C]	: No data available.
Critical temperature [°C]	: No data available.
Auto-ignition temperature [°C]	: No data available.
Flammability (solid, gas)	: No data available.
Flash point [°C]	: No data available.
Boiling point [°C]	: 100 °C
Initial boiling point [°C]	: No data available.
Final boiling point [°C]	: No data available.
Evaporation rate	: No data available.
Vapour pressure	: 17535 mm Hg (at 20°C)
Relative vapour density at 20 °C	: 0.62
Density [g/cm3]	: 1.015 g/cm^3
Relative density, gas (air=1)	: No data available.
Relative density, liquid (water=1)	: No data available.

Section 9: Physical and Chemical Properties (Continued)

Solubility in water [% weight]	**: Soluble in water**
Viscosity at 40°C [mm2/s]	**: No data available.**
Other information	
Explosive properties	**: No data available.**
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.
Possibility of hazardous reactions: Not established.
Conditions to avoid: Direct sunlight. Extremely high or low temperatures.
Incompatible materials: 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: Based on available data, the classification criteria are not met.
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 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.
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	: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
UN N°	: 3082
H.I. nr	: 90
ADR – Class	: 9
ADR – Group	: III

Sea transport (IMDG) [English only]

Proper shipping name	: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
UN N°	: 3082
IMO-IMDG - Packing group	: 9
ADR – Class	: III

Section 14: Transport Information

Air transport (ICAO-IATA) [English only]

Proper shipping name	**: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.**
UN N°	**: 3082**
IATA – Class	**: 9**
IATA - Packing group	**: III**

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: It has not been carried out.

Section 16 - Additional Information

NFPA Ratings: Health: 2 Flammability: 1 Reactivity: 1

Label Hazard Warning:

WARNING! HARMFUL IF SWALLOWED. CAUSES IRRITATION TO SKIN, EYES AND RESPIRATORY TRACT.

Label Precautions:

Avoid contact with eyes, skin and clothing.
Wash thoroughly after handling.
Avoid breathing dust.
Keep container closed.
Use only with adequate ventilation.

Label First Aid:

In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes. Remove contaminated clothing and shoes. Wash clothing before reuse. If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. If swallowed, induce vomiting immediately as directed by medical personnel. Never give anything by mouth to an unconscious person.

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