OXFORD LAB FINE CHEM LLP

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Oxford
Range of
Laboratory Chemicals

MATERIAL SAFETY DATA SHEET

TIN AAS STANDARD SOLUTION
1000±2 mg/Ltr. Sn In Diluted HCl
MSDS CAS :

Section 1: Chemical Product and Company Identification

Section 1: Chemical Product
Product Name : TIN AAS STANDARD SOLUTION
CAS#:
C.I. No.: Not available.
Synonym : Not available.
Chemical Name: Not available.
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
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Section 2: Composition and Information on Ingredients

Composition:

Name	CAS #	% by Weight
TIN (METAL) POWDER AR 99.9%	7440-31-5	0.1 - 1%
Hydrochloric acid	7647-01-0	1 – 5%
Water	7732-18-5	75 – 99%

Section 3: Hazards Identification

Classification of the substance or mixture

Classification according to Regulation (EC) No 1999/45
Not classified.

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

Health hazards : **Skin irritation - Category 2 - Warning (CLP : Skin Corr. 2) H315**

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

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 : 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

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

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 materials for contain ent 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 for safe handling

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

Section 7: Handling and Storage (Continued)

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

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 uses

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 at 20 °C	: Liquid
Color	: Colourless
Odor	: Odourless
Odor threshold	: No data available.
pH value	: No data available.
Melting point [°C]	: No data available.
Decomposition point [°C]	: No data available.
Critical temperature [°C]	: No data available.

Section 9: Physical and Chemical Properties (Continued)

Auto-ignition temperature [°C]	**: No data available.**
Flammability (solid, gas)	**: No data available.**
Flash point [°C]	**: No data available.**
Boiling point [°C]	**: No data available.**
Initial boiling point [°C]	**: No data available.**
Final boiling point [°C]	**: No data available.**
Evaporation rate	**: No data available.**
Vapour pressure [20°C]	**: No data available.**
Vapour pressure mm/Hg	**: No data available.**
Vapour density	**: No data available.**
Density [g/cm3]	**: 1.045 - 1.051**
Relative density, gas (air=1)	**: No data available.**
Relative density, liquid (water=1)	**: No data available.**
Solubility in water [% weight]	**: No data available.**
Solubility in water	**: No data available.**
Log Pow octanol / water at 20°C	**: No data available.**
Solubility	**: No data available.**
Viscosity at 40°C [mm2/s]	**: No data available.**
Molecular Weight	**: 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

Reactivity : Not established.

Chemical stability

Chemical stability : Stable under recommended storage conditions.

Possibility of hazardous reactions

Hazardous reactions : Not established.

Section 10: Stability and Reactivity Data (Continued)

Conditions to avoid

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

Incompatible materials

Materials to avoid : Strong acids. Strong bases.

Hazardous decomposition products

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

Toxicity information : The product has been not fully tested. The calculated risk has been done under the requirements of the EU regulations.

Section 12: Ecological Information

Persistence – degradability

Persistence - degradability : Biodegradable.

Bio accumulative potential

Bio accumulative potential : Not established.

Mobility in soil

Mobility in soil : Not established.

Results of PBT and vPvB assessment

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	**: HYDROCHLORIC ACID**
UN N°	**: 3264**
H.I. nr	**: 80**
ADR – Class	**: 8 : Corrosive substance.**
ADR - Group	**: III**

Section 14: Transport Information (Continued)

Sea transport (IMDG) [English only]

Proper shipping name	**: HYDROCHLORIC ACID**
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	**: HYDROCHLORIC ACID**
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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