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Oxford
Range of
Laboratory Chemicals

MATERIAL SAFETY DATA SHEET

LITHIUM AAS STANDARD SOLUTION

MSDS CAS : -

Section 1: Chemical Product and Company Identification

Section 1: Chemical Product

Product Name: LITHIUM AAS STANDARD SOLUTION
CAS#: - Not available.
C.I. No.: Not available.
Synonym: Not available.
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**
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Section 2: Composition and Information on Ingredients

Composition:

Name	CAS #	% by Weight
LITHIUM AAS STANDARD SOLUTION	-	100

Section 3: Hazards Identification

Classification of the substance or mixture

Classification EC 67/548 or EC 1999/45

Classification : **Carc. Cat. 2; R45**
Xi; R36/38

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

Health hazards : **Carcinogenicity - Category 1B - Danger (CLP : Carc. 1B) H350**
Eye irritation - Category 2A - Warning (CLP : Eye Irrit. 2) H319
Skin irritation - Category 2 - Warning (CLP : Skin Corr. 2) H315

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 : **If skin irritation occurs : Wash with plenty of soap and water. Get medical advice. Specific treatment (see on this label). Wash contaminated clothing before reuse.**
Eye contact : **Get medical advice. Rinse cautiously with water for several minutes. If eye irritation persists : Remove contact lenses, if present and easy to do. Continue rinsing.**
Ingestion : **Obtain emergency medical attention. Do NOT induce vomiting. Rinse mouth.**

Most important symptoms and effects, both acute and delayed

Symptoms relating to use : **May cause cancer.**
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 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 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.

Reference to other sections

See section 8. Exposure controls/personal protection

Section 7: Handling and Storage

Precautions for safe handling

Handling : Obtain special instructions before use. 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)

Specific end use(s) : None.

Section 8: Exposure Controls/Personal Protection

Exposure controls

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

Information on basic physical and chemical properties

Physical state at 20 °C	**: Liquid**
Colour	**: Colorless**
Odour	**: Characteristic.**
Odour threshold	**: No data available.**
pH value	**: Not applicable.**
Melting point [°C]	**: N/A**
Decomposition point [°C]	**: N/A**
Critical temperature [°C]	**: N/A**
Auto-ignition temperature [°C]	**: N/A**
Flammability (solid, gas)	**: N/A**
Flash point [°C]	**: N/A**
Boiling point [°C]	**: N/A**
Initial boiling point [°C]	**: N/A**
Final boiling point [°C]	**: N/A**
Evaporation rate	**: N/A**
Vapour pressure [20°C]	**: N/A**
Vapour pressure mm/Hg	**: N/A**
Vapour density	**: N/A**
Density [g/cm3]	**: N/A**
Relative density, gas (air=1)	**: N/A**
Relative density, liquid (water=1)	**: N/A**
Solubility in water [% weight]	**: N/A**
Solubility in water	**: N/A**
Log Pow octanol / water at 20°C	**: No data available.**
Solubility	**: N/A**
Viscosity at 40°C [mm2/s]	**: N/A**

Other information

Explosive properties	**: N/A**
Explosion limits - upper [%]	**: N/A**
Explosion limits - lower [%]	**: N/A**
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.

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

Acute toxicity	**: The product has been not fully tested. The calculated risk has been done under the requirements of the EU regulations.**
• 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.**

Section 11: Toxicological Information (Continued)

Sensitization	**: Based on available data, the classification criteria are not met.**
Mutagenicity	**: Based on available data, the classification criteria are not met.**
Carcinogenicity	**: May cause cancer.**
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.

Persistence – degradability

Persistence - degradability : Biodegradable.

Bioaccumulative potential

Bioaccumulative 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. Dispose of this material and its container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

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**

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.

Disclaimer:

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