SAFETY DATA SHEET

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifiers

- **Product name**: Lithium acetylide ethylenediamine complex
- **Product Number**: L123102
- **Brand**: aladdin
- **CAS-No.**: 6867-30-7

1.2 Relevant identified uses of the substance or mixture and uses advised against

- **Identified uses**: It is only for scientific research purposes, not for medicine, family standby medicine or other purposes.

1.3 Details of the supplier of the safety data sheet

- **Company**: Shanghai Aladdin Biochemical Tech Co., Ltd
- **Address**: 196 Xinjinqiao Road, Shanghai
- **Telephone**: 4006204333
- **Fax**: no data available

1.4 Emergency telephone number

- **Emergency Phone**: 0532-83889090

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

- **GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)**

2.2 GHS Label elements, including precautionary statements

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Phone: 4006204333  Email: support@aladdin-e.com  Web: https://www.aladdin-e.com
H261 In contact with water releases flammable gas
H314 Causes severe skin burns and eye damage

Precautionary statement(s)
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P231+P232 Handle under inert gas/... Protect from moisture.
P310 Immediately call a POISON CENTER or doctor/physician.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing.
P422 Store contents under ...

2.3 Hazards not otherwise classified (HNOC) or not covered by GHS

SECTION 3: Composition/information on ingredients

SECTION 4: First aid measures

4.1 Description of first aid measures

General advice
Consult a physician.Show this safety data sheet to the doctor in attendance.Move out of dangerous area.

If inhaled
If breathed in, move person into fresh air.If not breathing, give artificial respiration.Consult a physician.

In case of skin contact
Take off contaminated clothing and shoes immediately.Wash off with soap and plenty of water.Consult a physician

In case of eye contact
Take off contaminated clothing and shoes immediately.Wash off with soap and plenty of water.Consult a physician

4.2 Most important symptoms and effects, both acute and delayed

no data available

4.3 Indication of any immediate medical attention and special treatment needed

no data available

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media
Dry powder Carbon dioxide (CO2)

Unsuitable extinguishing media
no data available

5.2 Special hazards arising from the substance or mixture

Water
5.3 Advice for firefighters
Wear self contained breathing apparatus for fire fighting if necessary.

5.4 Further information
Hazardous decomposition products formed under fire conditions.- Carbon oxides, nitrogen oxides (NOx), Lithium oxides

SECTION 6: Accidental release measures
6.1 Personal precautions, protective equipment and emergency procedures
Use personal protective equipment.Avoid dust formation.Avoid breathing vapours, mist or gas.Ensure adequate ventilation.Evacuate personnel to safe areas.Avoid breathing dust

6.2 Environmental precautions
Prevent further leakage or spillage if safe to do so.Do not let product enter drains.

6.3 Methods and materials for containment and cleaning up
Sweep up and shovel.Contain spillage, and then collect with an electrically protected vacuum cleaner or by wetbrushing and place in container for disposal according to local regulations (see section 13).Do not flush with water.Keep in suitable, closed containers for disposal.

6.4 Reference to other sections
no data available

SECTION 7: Handling and storage
7.1 Precautions for safe handling
Avoid formation of dust and aerosols.Provide appropriate exhaust ventilation at places where dust is formed.Keep away from sources of ignition - No smoking.

7.2 Conditions for safe storage, including any incompatibilities
Keep container tightly closed in a dry and well-ventilated place.Never allow product to get in contact with water during storage.Handle and store under inert gas.Over time, pressure may increase causing containers to burst Handle and open container with care.Light sensitive.Keep in a dry place

7.3 Specific end use(s)
no data available

SECTION 8: Exposure controls/personal protection
8.1 Control parameters
8.2 Exposure controls
Appropriate engineering controls
Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Personal protective equipment

Eye/face protection
Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU)

Skin protection
Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching gloves outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Body Protection
Complete suit protecting against chemicals, Flame retardant protective clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace

Respiratory protection
Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of environmental exposure
no data available

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>a) Appearance</td>
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</tr>
<tr>
<td>b) Odour</td>
<td>no data available</td>
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<tr>
<td>c) Odour Threshold</td>
<td>no data available</td>
</tr>
<tr>
<td>d) pH</td>
<td>no data available</td>
</tr>
<tr>
<td>e) Melting point/freezing point</td>
<td>76 °C (169 °F) - dec.</td>
</tr>
<tr>
<td>f) Initial boiling point and boiling range</td>
<td>110.6 °C (231.1 °F) - lit.</td>
</tr>
<tr>
<td>g) Flash point</td>
<td>no data available</td>
</tr>
<tr>
<td>h) Evaporation rate</td>
<td>no data available</td>
</tr>
<tr>
<td>i) Flammability (solid, gas)</td>
<td>no data available</td>
</tr>
<tr>
<td>j) Upper/lower flammability or explosive</td>
<td>no data available</td>
</tr>
<tr>
<td>k) Vapour pressure</td>
<td>no data available</td>
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<tr>
<td>l) Vapour density</td>
<td>no data available</td>
</tr>
<tr>
<td>m) Relative density</td>
<td>no data available</td>
</tr>
<tr>
<td>n) Water solubility</td>
<td>no data available</td>
</tr>
<tr>
<td>o) Partition coefficient: n-octanol/water</td>
<td>no data available</td>
</tr>
<tr>
<td>p) Auto-ignition temperature</td>
<td>no data available</td>
</tr>
</tbody>
</table>
9.2 Other safety information
no data available

SECTION 10: Stability and reactivity

10.1 Reactivity
Stable under recommended storage conditions.

10.2 Chemical stability
no data available

10.3 Possibility of hazardous reactions
Exposure to moisture

10.4 Conditions to avoid
Alcohols, acids, Oxidizing agents, Keep away from water

10.5 Incompatible materials
Alcohols, acids, Oxidizing agents, Keep away from water

10.6 Hazardous decomposition products
no data available

SECTION 11: Toxicological information

11.1 Information on toxicological effects
Acute toxicity
no data available
Skin corrosion/irritation
no data available
Serious eye damage/eye irritation
no data available
Respiratory or skin sensitisation
no data available
Germ cell mutagenicity
No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
Carcinogenicity
no data available

**Reproductive toxicity**
no data available

**Specific target organ toxicity - single exposure**
no data available

**Specific target organ toxicity - repeated exposure**
May be harmful if inhaled. Material is extremely destructive to the tissue of the mucous membranes and upper respiratory tract.

**Aspiration hazard**
no data available

**Additional Information**
no data available

**SECTION 12: Ecological information**

**12.1 Toxicity**
no data available

**12.2 Persistence and degradability**
no data available

**12.3 Bioaccumulative potential**
no data available

**12.4 Mobility in soil**
no data available

**12.5 Results of PBT and vPvB assessment**
no data available

**12.6 Other adverse effects**
no data available

**SECTION 13:**

**13.1 Disposal considerations**

**Product**
Burn in a chemical incinerator equipped with an afterburner and scrubber but exert extra care in igniting as this material is highly flammable. Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

**Contaminated packaging**
Dispose of as unused product.
SECTION 14: Transport information

DOT (US)
- UN number: no data available
- Proper shipping name: no data available
- Packing group: no data available
- Reportable Quantity(RQ): no data available
- Class: no data available
- Poison Inhalation Hazard: no data available

IMDG
- UN number: no data available
- Proper shipping name: no data available
- Packing group: no data available
- EMS-No: no data available

IATA
- UN number: no data available
- Proper shipping name: no data available
- Packing group: no data available
- Class: no data available

SECTION 15: Regulatory information

- no data available

SECTION 16: Other information

Further information

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