

Material Safety Data Sheet L-Lysine Sulfate

Section 1: Chemical Product and Company Identification

Product Name : L-Lysine Sulfate
Chemical Formula : $C_6H_{16}N_2O_6S$
Company Identification : Tradeasia International Pte Ltd
Email Address : contact@chemtradeasia.com

Section 2: Composition and Information on Ingredients

Composition:

Name	CAS#	% by Weight
L-Lysine Sulfate	60343-69-3	100

Toxicological Data on Ingredients: Not applicable.

Section 3: Hazards Identification

Potential Acute Health Effects:

No hazard expected in normal use.

Potential Chronic Health Effects:

No hazard expected in normal use.

Section 4: First Aid Measures

Eye Contact:

Rinse thoroughly with plenty of water keeping eyelid open. In case of persistent discomfort: Consult an ophthalmologist.

Skin Contact:

Wash off with soap and plenty of water.

Serious Skin Contact: Not available.

Inhalation:

In case product dust is released: Possible discomfort: cough, sneezing Move victims into fresh air. If symptoms persist, call a physician.

Serious Inhalation: Not available.

Ingestion:

Have the mouth rinsed with water. After absorbing large amounts of substance: Consult a physician.

Serious Ingestion: Not available.

Section 5: Fire and Explosion Data

Flammability of the Product:

May be combustible at high temperature.

Auto-Ignition Temperature:

450°C Method: VDI Guideline 2263 sheet 1 (BAM-furnace) grain size < 63µm.

Flash Points: Not available.

Flammable Limits: Not available.

Products of Combustion: Not available.

Fire Hazards in Presence of Various Substances: Not available.

Explosion Hazards in Presence of Various Substances: Not available.

Fire Fighting Media and Instructions:

Water, mist. In the event of fire, wear self-contained breathing apparatus

Special Remarks on Fire Hazards:

In the case of fire, the following hazardous smoke fumes may be produced: carbon monoxide, carbon dioxide, nitric oxides, hydrocyanic acid. In the event of fire and/or explosion do not breathe fumes.

Special Remarks on Explosion Hazards:

Fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.

Section 6: Accidental Release Measures

Small Spill:

Wear personal protective equipment. Keep unauthorized persons away. Use mechanical handling equipment. Avoid dust formation

Large Spill:

Obey relevant local, provincial and federal laws and regulations. Do not contaminate any lakes, streams, ponds, groundwater or soil.

Section 7: Handling and Storage

Precautions:

Handle in accordance with good industrial hygiene and safety practices. Keep away from sources of ignition - No smoking. Avoid dust formation. Must be rendered inert for grinding

Storage:

Keep in a dry, cool place. Avoid light effect. Keep container tightly closed and dry.

Section 8: Exposure Controls/Personal Protection

Engineering Controls:

Ensure suitable suction/aeration at the work place and with operational machinery. Earthing of equipment. Take precautionary measures against static discharges.

Personal Protection:

A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 or applicable federal/provincial requirements must be followed whenever workplace conditions warrant respirator use. NIOSH's "Respirator Decision Logic" may be useful in determining the suitability of various types of respirators. Wear protective gloves made of the following materials: rubber or plastics. Change protective gloves regularly. Safety glasses. Wash face and/or hands before break and end of work. Cleanse and apply cream to skin after work.

Personal Protection in Case of a Large Spill:

Handle in accordance with good industrial hygiene and safety practices.

If there is the possibility of skin/eye contact, the indicated hand/eye/body protection should be used.

Exposure Limits:

3 mg/m³ Time Weighted Average (TWA):(ACGIH) Respirable fraction. Suitable measuring processes are: NIOSH method 0500, NIOSH method 0600.

Section 9: Physical and Chemical Properties

Physical state and appearance : Solid. (Granular Solid)

Odor	: Characteristic.
Taste	: Not available.
Molecular Weight	: 182.68 g/mole
Color	: light brown.
pH (1% soln/water)	: 5 - 7 (10 g/l, 20 °C).
Boiling Point	: Not available.
Melting Point	: Not available.
Critical Temperature	: Not available.
Specific Gravity	: Not available.
Vapor Pressure	: Not available.
Vapor Density	: Not available.
Volatility	: Not available.
Odor Threshold	: Not available.
Water/Oil Dist. Coeff.	: Not available.
Ionicity (in Water)	: Not available.
Dispersion Properties	: Not available.
Solubility	: Not available.

Section 10: Stability and Reactivity Data

Stability:

Decomposition products when exposed to heat flammable smouldering gases.

Instability Temperature: Not available.

Conditions of Instability: Not available.

Incompatibility with various substances: Not available.

Corrosivity: Not available.

Special Remarks on Reactivity: Not available.

Special Remarks on Corrosivity: Not available.

Polymerization: Not available.

Section 11: Toxicological Information

Routes of Entry:

Inhalation. Ingestion.

Toxicity to Animals:

Acute oral toxicity (LD50): > 5110 mg/kg [Rat].

Chronic Effects on Humans: Not available.

Other Toxic Effects on Humans: Not available.

Special Remarks on Toxicity to Animals: Not available.

Special Remarks on Chronic Effects on Humans: Not available.

Special Remarks on other Toxic Effects on Humans: Not available.

Section 12: Ecological Information

Ecotoxicity: Not available.

BOD5 and COD: Not available.

Products of Biodegradation: Not available.

Toxicity of the Products of Biodegradation: Not available.

Special Remarks on the Products of Biodegradation: Not available.

Section 13: Disposal Considerations

Waste Disposal:

Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Section 14: Transport Information

DOT Classification: Not a DOT controlled material (United States).

Identification: Not applicable.

Special Provisions for Transport: Not applicable.

Section 15: Other Regulatory Information

Federal and State Regulations: Not available.

Other Regulations: Not available.

Other Classifications:

WHMIS (Canada): Not controlled under WHMIS (Canada).

DSCL (EEC): Not available.

HMIS (U.S.A.):

Health Hazard: 0

Fire Hazard: 1

Reactivity: 0

Personal Protection: E

National Fire Protection Association (U.S.A.):

Health: 0

Flammability: 1

Reactivity: 0

Specific hazard:

Protective Equipment: Not available.

Section 16: Other Information

References: Not available.

Other Special Considerations: Not available.

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