

L-LYSINE MONOHYDROCHLORIDE 99+%

Material Safety Data Sheet

Emergency Telephone Number
314-982-5000

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P.O. Box M
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Effective Date: July 15, 1986

PRODUCT IDENTIFICATION:

Synonyms: 2,6-diaminohexanoic acid; Monohydrochloride; L-Lys hydrochloride

Formula CAS No.: 657-27-2

Molecular Weight: 182.72

Hazardous Ingredients: No information found.

Molecular Formula: $C_6H_{13}ClN_2O_2$

PRECAUTIONARY MEASURES

WARNING! May be harmful by inhalation, ingestion, or skin absorption.

Avoid breathing dust.

Avoid contact with eyes, skin and clothing.

Wash thoroughly after handling.

EMERGENCY/FIRST AID

In case of contact, immediately flush eyes with copious amounts of water for at least 15 minutes. In case of contact, immediately wash skin with soap and copious amounts of water. If inhaled, remove to fresh air. If not breathing give artificial respiration, preferably mouth-to-mouth. If breathing is difficult, give oxygen. Call a physician. If ingested get medical attention.

SEE SECTION 5.

SECTION 1

Physical Data

Appearance: Crystalline

Boiling Point: No information found

Vapor Density: No information found.

Melting Point: 263°C to 264°C (Decomposes)

Vapor Pressure: No information found.

Specific Gravity(Water=1): Unknown

Evaporation Rate: No information found.

Solubility in Water, % by Wt. @20°C: No information found.

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Fire and Explosion Information:

Fire:

Explosion:

Fire Extinguishing Media:

Special Information:

SECTION 2

Emits toxic fumes under fire conditions.

No information found.

Water spray: Carbon dioxide, dry chemical powder, alcohol or polymer foam.

Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

Reactivity Data

Stability:

Hazardous Decomposition Products:

Hazardous Polymerization:

Incompatibilities:

SECTION 3

No information found.

Carbon monoxide, carbon dioxide, nitrogen oxides, hydrogen chloride gas.

No information found.

Strong oxidizing agents.

Leak/Spill Disposal Information

Spills:

Waste Disposal:

Ensure compliance with local, state, and federal regulations.

SECTION 4

Wear respirator, chemical safety goggles, rubber boots and heavy rubber gloves. Sweep up, place in a bag and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.

Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

Health Hazard Information

A. Exposure/Health Effects:

SECTION 5

May be harmful by inhalation, ingestion, or skin absorption. The toxicological properties have not been thoroughly investigated.

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B. First Aid

Inhalation:

If inhaled, remove to fresh air. If not breathing give artificial respiration, preferably mouth-to-mouth. If breathing is difficult, give oxygen. Call a physician.

Ingestion:

If ingested, call a physician immediately.

Skin Exposure:

In case of contact, immediately wash skin with copious amounts of water. Wash contaminated clothing before reuse. Call a physician.

Eye Exposure:

In case of contact, immediately flush eyes with copious amounts of water for at least 15 minutes. Call a physician.

C. Toxicity Data: RTECS #OL5650000

ORL - Rat - LD50:
IPR - Rat - LD50:

10 Gm/Kg JPMSAE 62,49,73
4019 Mg/Kg ABBIA4 58,253,55

SECTION 6

Occupational Control Measures

Compatible chemical-resistant gloves.
Chemical safety goggles.
Safety shower and eye bath.
Mechanical exhaust required.
Avoid breathing dust.
Avoid contact with eyes, skin and clothing.
Wash thoroughly after handling.

SECTION 7

Storage and Special Information

Keep container tightly closed. Store in a cool dry place.

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