



SAFETY DATA SHEET

L-Lysine Monohydrochloride

SECTION 1: Product and Company Identification

Product Name: L-Lysine Monohydrochloride
Manufacturer: Rensin Chemicals Limited. www.rensin-chem.com
Address: 3-810rm, Jiaye International Town, 158 Lushan Road, Jianye district, Nanjing 210019, China
Phone: 86-25-87702966
Fax: 86-25-87702968
E-mail: sales@rensин-chem.com

SECTION 2: Hazards Identification

Emergency overview: The toxicological properties of this material have not been fully investigated.
Potential health effects
Eye: May cause eye irritation
Skin: May cause skin irritation
Ingestion: Expected to be a low ingestion hazard
Inhalation: May cause respiratory tract irritation
Chronic: Not available

SECTION 3: Composition and Information on Ingredients

Product Name: L-Lysine Monohydrochloride
Molecular Formula: C₆H₁₄N₂O₂HCL
Molecular Weight: 182.65
CAS No.: 657-27-2
EINECS No: 211-519-9
Physical State: Solid
Appearance: White Granules or Powder
Melting Point: ca.263 C (decomposes)
Boling Point: not available
Density: (g.cm⁻³): 0.56-0.61g.cm³
Color: from light brown to yellow

Recommend dosage: 0.1-0.3% (according to make up)

Flash Point: not available

Explosion Limits: not applicable

Auto-ignition Temperature: not available

Water Solubility: soluble

SECTION 4: First-aid Measures

Eyes: Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids.

Skin: Flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes.

Ingestion: get medical aid, wash mouth out with water.

Inhalation: remove from exposure to fresh air immediately

Notes to physician.

SECTION 5: Handling and Storage

Handling: avoid breathing dust, vapor, mist, or gas. Avoid contact with skin and eyes. **Storage:** store in a cool, dry place, store in a tightly closed container.

SECTION 6: Exposure Controls/Personal Protection

Engineering controls: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

Personal protective equipment

Eyes: wear chemical goggles.

Skin: wear appropriate protective gloves to prevent skin exposure.

Clothing: wear a chemical apron.

Respirators: a NIOSH/MSHA approved air purifying dust or mist respirator or European standard EN 149.

SECTION 7: Stability and Reactivity

Chemical stability: Stable under normal temperatures and pressures.

Conditions to avoid: incompatible materials.

Incompatibilities with other materials: strong oxidizing agents

Hazardous decomposition products: hydrogen chloride, nitrogen oxides, carbon monoxide, carbon dioxide.

Hazardous polymerization: will not occur

SECTION 8: Toxicological Properties

RTECS#: CAS#657-27-2: OL5650000
LD50/LC50
CAS#657-27-2: ORAL, RAT: LD50-10GM/KG.
Carcinogenicity: L-Lysine monohydrochloride
Not listed by ACGIH IARC, NIOSH, NTP, or OSHA
See actual entry in RTECS for complete information

SECTION 9: Ecological Information

Ecological: Products is a form of the natural amino acid L-Lysine and can therefore be degraded microbiologically.

SECTION 10: Transport Information

IATA: Not regulated as a hazardous material
IMO: Not regulated as a hazardous material
RID/ADR: Not regulated as a hazardous material

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