



黑龙江伊品生物科技有限公司
HEILONGJIANG EPPEN BIOTECH CO., LTD

L-(+)-LYSINE MONOHYDROCHLORIDE FEED GRADE 98.5%

1. Product Identification

Product Name: L-LYSINE MONOHYDROCHLORIDE

Brand Name: EPPEN since 2004

Original Label: EPPEN

Registration No.: 6400FA003

Manufacturer: HEILONGJIANG EPPEN BIOTECH CO., LTD

Address: DELIGEER INDUSTRIAL PARK, DUERBET MONGOLIAN
AUTONOMOUS COUNTY, DAQING CITY, HEILONGJIANG PROVINCE, 166200,
P.R. CHINA

2. Composition/Information on Ingredients

CAS#	Chemical Name	Percent	EINECS/ELINCS
657-27-2	L-(+)-L-LYSINE MONOHYDROCHLORIDE	98.5+%	211-519-9

Hazard Symbols: None listed.

Risk Phrases: None listed.

3. Hazards Identification

EMERGENCY OVERVIEW

Physical Presentation: light yellow granule. The toxicological properties of this material have not been fully investigated.

Target Organs: None known.

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.

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 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 and move to fresh air immediately.

Add.: DELIGEER INDUSTRIAL PARK, DUERBET MONGOLIAN AUTONOMOUS
COUNTY, DAQING CITY, HEILONGJIANG PROVINCE, 166200, P.R. CHINA

Tel.: +86-459-8886624

Web.: www.eppen.com.cn



黑龙江伊品生物科技有限公司

HEILONGJIANG EPPEN BIOTECH CO., LTD

Notes to Physician: Treat symptomatically and supportively.

5. Fire Fighting Measures

General Information: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.

Extinguishing Media: Use water spray, dry chemical, carbon dioxide, or chemical foam.

Flash Point: Not applicable.

Auto ignition Temperature: Not applicable.

Explosion Limits, Lower: Not available.

Upper: Not available.

NFPA Rating: Not published.

6. Accidental Release Measures

General Information: Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks: Vacuum or sweep up material and place into a suitable disposal container.

7. 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.

8. Exposure Controls, Personal Protection

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

Exposure Limits

Chemical Name	ACGIH	NIOSH	OSHA - Final PELs
L-(+)-Lysine monohydrochloride	none listed	none listed	none listed

OSHA Vacated PELs: L-(+)-Lysine monohydrochloride: No OSHA Vacated PELs are listed for this chemical.

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.

9. Physical and Chemical Properties

Physical State: granule

Appearance: light yellow

Add.: DELIGEER INDUSTRIAL PARK, DUERBET MONGOLIAN
AUTONOMOUS COUNTY, DAQING CITY, HEILONGJIANG PROVINCE,
166200, P.R. CHINA

Tel.: +86-459-8886624

Web.: www.eppen.com.cn



黑龙江伊品生物科技有限公司

HEILONGJIANG EPPEN BIOTECH CO., LTD

Odor: Practically odorless.

PH: 5.72(100g/l H₂O 20°C)

Vapor Pressure: Not available.

Vapor Density: Not available.

Evaporation Rate: Not available.

Viscosity: Not available.

Boiling Point: Not available.

Freezing/Melting Point: 263-264 deg C

Decomposition Temperature :> 240 deg C

Solubility: Soluble in water: 649.5 g/l (20°C)

Specific Gravity/Density: Not available.

Molecular Formula: C₆H₁₄N₂O₂. HCl

Molecular Weight: 182.65

10. 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.

11. Toxicological Information

RTECS#: CAS# 657-27-2: OL5650000

LD50/LC50: CAS# 657-27-2: Oral, rat: LD50 = 10 gm/kg;<BR.

Carcinogenicity: AS# 657-27-2: Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA.

12. Ecological Information

Eco toxicity: No data available. Product is a form of the natural amino acid L-Lysine and can therefore be degraded microbiologically.

Environmental: No information available.

Physical: No information available.

Other: No information available.

13. Disposal Considerations

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

RCRA P-Series: None listed.

Add.: DELIGEER INDUSTRIAL PARK, DUERBET MONGOLIAN
AUTONOMOUS COUNTY, DAQING CITY, HEILONGJIANG PROVINCE,
166200, P.R. CHINA

Tel.: +86-459-8886624

Web.: www.eppen.com.cn



黑龙江伊品生物科技有限公司

HEILONGJIANG EPPEN BIOTECH CO., LTD

RCRA U-Series: None listed. TDG/TMO NOT REGULATED.

14. Transport Information

This Product Is Not Dangerous Product Subject To Imo Imdg Code.

Its Package And Transport Conforms To The Requirement Of Sea Trasport.

15. Regulatory Information

US FEDERAL

TSCA:CAS# 657-27-2 is listed on the TSCA inventory.

Health & Safety Reporting List:

None of the chemicals are on the Health & Safety Reporting List.

Chemical Test Rules:

None of the chemicals in this product are under a Chemical Test Rule.

Section 12B: None of the chemicals are listed under TSCA Section 12b.

TSCA Significant New Use Rule:

None of the chemicals in this material have a SNUR under TSCA.

CERCLA Hazardous Substances and corresponding RQs:

None of the chemicals in this material have an RQ.

SARA Section 302 Extremely Hazardous Substances:

None of the chemicals in this product have a TPQ.

Section 313: No chemicals are reportable under Section 313.

Clean Air Act:

This material does not contain any hazardous air pollutants. This material does not contain any Class 1 Ozone depletory. This material does not contain any Class 2 Ozone depletory.

Clean Water Act:

None of the chemicals in this product are listed as Hazardous Substances under the CWA. None of the chemicals in this product are listed as Priority Pollutants under the CWA. None of the chemicals in this product are listed as Toxic Pollutants under the CWA.

OSHA:

None of the chemicals in this product are considered highly hazardous by OSHA.

STATE:

CAS# 657-27-2 is not present on state lists from CA, PA, MN, MA, FL, or NJ.

California No Significant Risk Level: None of the chemicals in this product are listed.

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols:

Not available.

Risk Phrases:

Safety Phrases:

WGK (Water Danger/Protection)

Addr.: DELIGEER INDUSTRIAL PARK, DUERBET MONGOLIAN
AUTONOMOUS COUNTY, DAQING CITY, HEILONGJIANG PROVINCE,
166200, P.R. CHINA

Tel.: +86-459-8886624

Web.: www.eppen.com.cn



黑龙江伊品生物科技有限公司

HEILONGJIANG EPPEN BIOTECH CO., LTD

CAS# 657-27-2: 0

Canada - DSL/NDSL

CAS# 657-27-2 is listed on Canada's DSL List.

Canada – WHMIS

This product has a WHMIS classification of Not controlled.

Canadian Ingredient Disclosure List

Exposure Limits

16. Other Information

Product Use: feedstuff

Revision Information: Jan. 2026.

Disclaimer:

ANALYTYKA provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose. ANALYTYKA MAKES NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION ANY WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE WITH RESPECT TO THE INFORMATION SET FORTH HEREIN OR THE PRODUCT TO WHICH THE INFORMATION REFERS. ACCORDINGLY, ANALYTYKA WILL NOT BE RESPONSIBLE FOR DAMAGES RESULTING FROM USE OF OR RELIANCE UPON THIS INFORMATION.



黑龙江伊品生物科技有限公司
HEILONGJIANG EPPEN BIOTECH CO., LTD

TECHNICAL DATA SHEET

MANUFACTURER: HEILONGJIANG EPPEN BIOTECH CO., LTD

NAME OF PRODUCT: L-LYSINE MONOHYDROCHLORIDE FEED GRADE 98.5%

SPECIFICATIONS:

C₆H₁₄N₂O₂·HCL Content (dry basis) \geq 98.50%

Loss on Drying \leq 1.0

Arsenic (as As) \leq 1

Heavy Metals (as pb) \leq 10

Qualitative and quantitative composition(100g): C₆H₁₄N₂O₂HCL Content (dry basis):98.7g; Mosit:1g;Residue on Ignition:0.3g

Physiochemical Property: White or Hazel Powder, Tasteless or a Little special Taste,It is easy to dissolve in water, difficult to dissolve in the ethyl alcohol and ether.

INSPECTION STANDARD: GB/T 21979-2008

Levels of guarantee: The products are analytical by the third party SGS.

EFFICIENCY: THIS PRODUCT CONTAINS A WEALTH OF NUTRITIONAL AMINO

ACID, PROTEIN, VITAMINS, BETAINE AND PROTEIN MEAL. IT ALSO CONTAINS A LARGE NUMBER OF INORGANIC SALTS WHICH CAN MAKE THE ANIMALS TO LARGELY ASSIMILATE AND METABOLIZE PROTEIN IN THE FEED, AND CAN INTENSIFY AND INCREASE THE NUTRITION IN THE FEED, AS WELL AS PROMOTE DIGESTION AND ASSIMILATION. AT THE SAME TIME, IT HAS THE FEATURES OF PROMOTING ANIMALS' GROWTH RATE AND STRENGTHENING ABILITIES OF ANTI-ILLNESS.

DIRECTIONS: THE PRODUCT SHOULD BE ADDED TO ANIMAL FEED AT NORMAL TEMPERATURES. REFERENCE VOLUME:0.05% -0.1% .