



宁夏伊品生物科技股份有限公司
NINGXIA EPPEN BIOTECH CO., LTD.

MATERIAL SAFETY DATA SHEET

L-LYSINE MONOHYDROCHLORIDE 98.5%

1. Product Identification

Product Name: L-LYSINE MONOHYDROCHLORIDE 98.5%

Brand Name: EPPEN since 2004

Original Label:EPPEN

Registration No.: 6400FA003

Manufacturer :NINGXIA EPPEN BIOTECH CO., LTD.

Address:YANGHE INDUSTRY GARDEN, YONGNING COUNTY, NINGXIA, CHINA.

Tel:+86 951 8026266

Fax:+86 951 8026267

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.

ADD: YANGHE INDUSTRY GARDEN, YONGNING, NINGXIA, CHINA 750100

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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.

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.

Autoignition 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.

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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

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#:

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CAS# 657-27-2: OL5650000

LD50/LC50:

CAS# 657-27-2:

Oral, rat: LD50 = 10 gm/kg;<BR.

Carcinogenicity:

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

12. Ecological Information

Ecotoxicity: 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.

RCRA U-Series: None listed.

14. Transport Information

	US DOT	IATA	RID/ADR	IMO	Canada TDG
Shipping Name:	No information available.			NOT REGULATED BY IMDG/IMO	No information available.
Hazard Class:					
UN Number:					
Packing Group:					

15. Regulatory Information

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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.

SARA

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 depleters. This material does not contain any Class 2 Ozone depleters.

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:

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WGK (Water Danger/Protection)

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. 2019.

Expiry Date:

Jan,2022

Disclaimer:

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