



# 齐齐哈尔龙江阜丰生物科技有限公司

QIQIHAR LONGJIANG FUFENG BIOTECHNOLOGIES CO.,LTD.

EAST SIDE OF NATIONAL ROAD G111 AT 1558KM, ANG' ANG XI DISTRICT, QIQIHAR CITY, HEILONGJIANG PROVINCE, CHINA TEL:+86-452-6028197

## MATERIAL SAFETY DATA SHEET

### L-LYSINE MONOHYDROCHLORIDE

#### Section 1. Product Information

L-Lysine Monohydrochloride Feed Grade

Molecular Formula: C<sub>6</sub>H<sub>14</sub>N<sub>2</sub>O<sub>2</sub>-HCL

Manufacture name and address:

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#### Section 2. Composition/Information on Ingredients

CAS#	Chemical Name	Percent	EINECS/ELINCS
657-27-2	L-Lysine Monohydrochloride	98.5% min.	211-519-9

#### Section 3. Hazards Identification

Not DOT regulated

Not EPA regulated

No extraordinary risks for humans and environment

#### Section 4. First Aid Measures

General Recommendations: Avoid contact

After Inhalation: Remove individual to fresh air

After Skin Contact: Wash area thoroughly with soap and water

After Eye Contact: Wash eye with water for 15 minutes

After Swallowing: Drink large amounts of water

#### Section 5. Fire Fighting Measures

Suitable extinguishing media: water, carbon dioxide, dry chemical

Special protective equipment: In case of fire, wear self contained breathing apparatus

Further Information: May form HCl, NOx fumes when burned

## **Section 6. Accidental Release Measures**

Personal precautions: Class P1 particle filter recommended

Methods for Cleaning Up: Wash area with water, avoid high pressure rinsing. Material is biodegradable - avoid washing into drainage ditches.

## **Section 7. Handling and Storage**

Handling: Rubber gloves and protective eyewear recommended

Storage: Cool, dry place

## **Section 8. Exposure Controls and Personal Protection**

Additional information for design of technical equipment: NA

Components with Maximum Tolerance levels for workplace: NA

Personal Protective Equipment:

Inhalation: Dust mask optional

Hand: Rubber gloves

Eye: Goggles

Body: NA

General protection and hygienic measures

## **Section 9. Physical and Chemical Properties**

Physical state: Solid

Appearance: light brown to yellow granule or powder

Smell: odorless or slight fermentation smell

Color: white or light brown

Melting Point: 260 deg. C

Explosion limits: N/A Lower: N/A Upper: N/A

Ignition Temperature: 142.2 deg.C

Vapor Pressure: N/A

Density: 0.56-0.61G/CM3

Solubility in Water: Freely soluble

Viscosity: N/A

pH: water solution 5.0~6.0

## **Section 10. Stability and Reactivity**

Conditions to Avoid: Heating to decomposition

Substances to Avoid: Strong oxidizers

Hazardous Reactions: None

Hazardous Decomposition Products: None

## **Section 11. Toxicology**

Acute: LD50 oral rat: 10,000 mg/kg      LD50 ipr rat: 4,019 mg/kg

Sensitization: Not a skin sensitizer

## **Section 12. Ecology**

Elimination Information

Behaviour and Environmental Fate: Biodegradable

Ecotoxic Effects: None

Further Ecological Information: Biodegradable, not highly toxic to fish

## **Section 13. Advice for Disposal**

Contained material may be transported to an approved landfill, incinerated, or aerobically digested

## **Section 14. Transportation Guidelines**

Not considered to be hazardous

## **Section 15. Regulatory Information**

Complies with applicable European Union, Canadian, US, FDA and Japanese regulations governing animal feed ingredients.

## **Section 16. Additional Information:**

This information contained herein is accurate to the best of our knowledge. We do not suggest or guarantee that any hazards listed herein are the only ones which exist. We make no warranty of any kind, expressed or implied, concerning the safe use of this material in your process or combination with any other substances. Effects can be aggravated by other materials and/or this material may aggravate or add to the effects of other materials. This material may be released from gas, liquid or solid materials made directly or indirectly from it. User has the sole responsibility to determine the suitability of the materials for any use and the manner of use contemplated. User must meet all applicable safety and health standards.

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