



AJINOMOTO
AJINOMOTO HEARTLAND, INC.

AJINOMOTO ANIMAL NUTRITION GROUP

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www.lysine.com

SAFETY DATA SHEET

L-Lysine Monohydrochloride [Feed Grade (98.5%)]

1. Identification

Product Name: L-Lysine Monohydrochloride – Feed Grade 98.5%

Synonyms: Lysine Hydrochloride, L-Lysine Hydrochloride, Lysine Monohydrochloride, L-Lysine Monohydrochloride

Restrictions: For Animal feed only- not for human consumption

Manufacturer and Distributer: Ajinomoto Heartland Inc.

1116 Hwy 137

Eddyville, Iowa 52553

Phone: 641- 969-4551 – Eddyville IA

773-380-7000 – Chicago, IL.

2. Hazard Identification

Eye: Mild irritant, avoid contact with eyes, otherwise non hazardous

Inhalation: Possible irritation of nasal passages from breathing dust

Ingestion: No effects expected from normal use or minor amounts ingested

Principle Routes of Exposure: Eyes, inhalation, ingestion

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3. Composition on ingredients

2.6 Diaminohexanoic Acid

CAS registry number: 657-27-2

Formula: $C_6H_{14}N_2O_2 \cdot HCl$

MW: 182.65

As L-Lysine, at least 78.8% pure

4. First Aid measures

Eye Contact: Flush eyes with water for 15minutes

Ingestion: Don't swallow; rinse mouth with water and drink plenty of water

5. Fire-fighting measures

Flash Point: None

Auto-ignition Temperature: N/A

Flammable Limits in Air: Non Flammable

Extinguishing Media: Water

Special Fire-Fighting Procedures: Wear Protective clothing and respiratory protection to protect from fumes of HCL and Nitrogen Oxides

Unusual Fire & Explosion Hazards: None

6. Accidental release measures

Methods for cleaning up: Ordinary, same as food. Dissolve or suspend in water. Dispose of in accordance with all regulations.

7. Handling and Storage:

Handling: Recommended to wear gloves, safety glasses, and dust mask if excessive handling is necessary. Wash hands immediately to avoid hand to eye transfer.

Storage: Suggest to keep away from sources of ignition. Store in dry conditions in sealed or closed containers that are properly labeled.

Work Place: Protective equipment: None required

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8. Exposure controls/ Personal Protection

Hygiene measures: Handle with good industrial hygiene and safety practice. Wash hands before breaks and at the end of the day

Ventilation: Ordinary

Respiratory Protection: Dust mask recommended

Protective Equipment: Gloves & safety glasses recommended

9. Physical and Chemical Data

Bulk Density: 0.55 to 0.65 grams/cm³ (34.3 to 40.5 lbs./ft³)

Appearance & Odor: White powder; odorless; slightly characteristic taste

Solubility in Water: 63g/100g water at 20°C

Percent Volatile: 0%

Evaporation Rate: None

10. Stability and reactivity

Stability: Stable if stored in dry conditions in sealed or closed containers.

Conditions to Avoid: None

Hazardous Decomposition Products: When heated to decomposition: carbon monoxide, carbon dioxide, nitrogen oxides (NO_x), hydrogen chloride gas fumes will be emitted.

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11. Toxicological Information:

Eye Irritation: Can cause mild irritant otherwise non-hazardous

Inhalation: Possible irritation of nasal passages

Ingestion: No effects expected from normal use or minor ingestion

Sensitization: No data available

Chronic exposure: No data available

Specific Effects:

Carcinogenic Effects: No information Available

Mutagenic Effects: No information Available

Reproductive Effects: No information Available

Target Organ Effects: No information Available

12. Ecological Information: N/A

13. Disposal Considerations: Check with Federal, Provincial and local regulations

14. Transport information:

Proper Shipping Name: L-Lysine Monohydrochloride

Identification (Iowa Registration No.): 002-58-00

FDA_{CFR}: 582.5411

AAFCO#: 6.11

15. Toxicological Information: N/A

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16. Other Information

Further Information: The above information is believed to be accurate and represents the best information currently available to us and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Users should make their own investigations to determine the suitability of the information for their particular purposes. Ajinomoto Heartland, Inc. shall not be held liable for any damage resulting in the handling or from the contact with the above product.

Prepared by: Ajinomoto Heartland, Inc.

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