MATERIAL SAFETY DATA SHEET

L-LYSINE MONOHYDROCHLORIDE

Manufacturer & Distributed by: Ajinomoto Heartland LLC
1 Heartland Drive
Eddyville, Iowa 52553

Emergency Phone: (641) 969-4551 Eddyville
(773) 380-7000 Chicago

DESCRIPTION

Product Name: L-Lysine Monohydrochloride
Chemical Name: 2.6 Diaminohexanoic Acid
CAS Registry Number: 657-27-2
Synonyms:
- Lysine Hydrochloride
- L-Lysine Hydrochloride
- Lysine Monohydrochloride
- L-Lysine Monohydrochloride
Chemical Family: Amino acid
Composition: As Lysine 78.8%
Formula: C_6 H_{14} N_2 O_2 HCl
MW: 182.65

STATEMENT OF HEALTH HAZARD

Hazard Description: Avoid contact with eyes; mild eye irritant. Otherwise non hazardous.

EMERGENCY TREATMENT

Emergency Aid: Flush eyes with water for 15 minutes. Ensure thorough rinsing.

PHYSICAL DATA

Bulk Density: 0.50 - 0.70 kg/l; 31 - 43 lb/ft^3
Appearance & Odor: White powder; odorless; slightly characteristic taste
Solubility in Water: 63 g/100 g water at 20°C
Percent Volatile: 0%
Evaporation Rate: None

SPILL OR LEAK PROCEDURES

Steps to be Taken: Ordinary, same as food
Waste Disposal: Dissolve or suspend in H_2O
### FIRE & EXPLOSION HAZARD DATA

- **Flash Point:** None
- **Autoignition Temperature:** N/A
- **Flammable Limits in Air:** Non Flammable
- **Extinguishing Media:** Water
- **Special Fire-Fighting Procedures:** Should wear protective clothing and respiratory protection to protect from fumes of HCl and NOx.
- **Unusual Fire & Explosion Hazards:** Not a fire hazard

### CHEMICAL 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, hydrogen chloride gas fumes will be emitted.

### SPECIAL PROTECTION & PROCEDURES

- **Respiratory Protection:** Unnecessary
- **Ventilation:** Ordinary
- **Protective Equipment:** None needed

### SPECIAL PRECAUTIONS

- **Handling:** Recommended to wear gloves and face mask if excessive handling is necessary.
- **Storage:** Keep away from sources of ignition. Store in dry conditions in sealed or closed containers.
- **Work Place:** Protective Equipment: None Required.

### LABELING & SHIPPING

- **Proper Shipping Name:** L-Lysine Monohydrochloride
- **Identification:** 002-58-00 (Iowa Registration No.)
- **FDA Reg:** 582.5411

### OTHER REGULATORY REQUIREMENTS

None

*For animal feed only – not for human consumption*