



8430 West Bryn Mawr Ave., Suite 650, Chicago, IL 60631 Tel: (773)380-7000 Fax: (773)380-7006

MATERIAL SAFETY DATA SHEET
L-LYSINE MONO HCl

Manufacturer: Heartland Lysine, Inc.
Eddyville, Iowa 52553

Emergency Phone: (515) 969-4551 Eddyville
(773) 380-7000 Chicago

DESCRIPTION

Chemical Name:

CAS Registry Number:

Synonyms:

2,6 Diaminohexanoic Acid

657-27-2

Lysine Hydrochloride*L-Lysine Hydrochloride

*Lysine Monohydrochloride*L-Lysine Monohydrochloride

Chemical Family:

Organic

Composition:

(As Lysine 78.8%)

Formula:

C₆ H₁₄ N₂ O₂ 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

Specific Gravity:

0.60 - 0.65 kg/l

(.65 kg/2 x 2.205 lb/kg x 28.317 l/ft³ = 40.6 lb/ft³)

Appearance & Odor:

White powder; odorless; slightly characteristic taste.

Solubility in Water at 30°C:

642 g/l

Percent Volatile:

0%

Evaporation Rate:

None

SPILL OR LEAK PROCEDURES

Steps to be Taken: Ordinary, same as food.
Waste Disposal: Dissolve or suspend in H₂O.

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 NO_x
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, chlorous and nitrous 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 form sources of ignition. Store in dry conditions in sealed or closed containers.
Workplace: Protective Equipment: None Required

LABELING & SHIPPING

Proper Shipping Name: L-Lysine Mono HCl

Label: See Attached
Identification #: 002-58-00 (Iowa Registration No.)
FDA Reg: 582.5411

**OTHER REGULATORY
REQUIREMENTS:**

None