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: 2.6 Diaminohexanoic Acid
CAS Registry Number: 657-27-2
Synonyms: 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
(0.60 - 0.65 kg/l 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 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, 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 from 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