



## Safety Data Sheet

### Section 1: Identification

**Product Name:** L-Lysine HCL

**Recommended Use:** For further manufacturing of feed

**Synonyms:** Lysine, D-Lysine, L-Lysine, LYS, h-Lys-OH

**Company Identification:**

Origination, LLC  
1802 Wooddale Drive, Suite 200  
Woodbury, MN 55125

**For information, call:** 1-800-625-6079

**Emergency Number:** 1-800-625-6079

**For CHEMTREC assistance, call:** 1-800-424-9300

**For International CHEMTREC assistance, call:** 703-527-3887

### Section 2: Hazard(s) Identification

**Classification of the substance or mixture**

Not a hazardous substance or mixture.

**GHS Label elements, including precautionary statements**

Not a hazardous substance or mixture

**Hazards not otherwise classified (HNOC) or not covered by GHS**

None

### Section 3: Composition / Information on Ingredients

**Composition:** Lysine-hydrochloride

**Chemical Family:** Amino Acid (Essential)

**Formula:** C<sub>6</sub>H<sub>14</sub>N<sub>2</sub>O<sub>2</sub>

**Molecular Weight:** 146.19

**Structure Formula:**

**CAS No:** 657-27-2

**EC No:** 211-519-9



## Section 4: First Aid Measures

**First aid measures general:** Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

**First-aid measures after inhalation:** Remove to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER/doctor/physician if you feel unwell.

**First-aid measures after skin contact:** Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.

**First-aid measures after eye contact:** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**First-aid measures after ingestion:** Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

**Most important symptoms and effects, both acute and delayed**

**Symptoms/injuries after inhalation:** May cause respiratory irritation.

**Symptoms/injuries after eye contact:** May cause eye irritation.

**Immediate medical attention and special treatment needed:** No additional information available.

**Note to physician:** None.

## Section 5: Fire Fighting Measures

**Extinguishing Media:** Water spray, alcohol resistant foam, dry chemical or carbon dioxide

**Special Hazards arising from substance or mixture:** hydrogen chloride, nitrous gases

**Special Fire Fighting Procedure:** Should wear protective clothing and respiratory protection to protect from fumes

**Unusual Fire and Explosion Hazard:** Not a fire hazard

## Section 6: Accidental Release Measures

### ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures**

Avoid dust formation. Avoid breathing vapors, mist or gas. For personal protection see section 8.

**Environmental precautions**

Do not let product enter drains.

**Methods and materials for containment and cleaning up**

Sweep up and shovel. Keep in suitable, closed containers for disposal.

**Reference to other sections**

For disposal see section 13.

## Section 7: Handling and Storage

### HANDLING AND STORAGE

#### Precautions for safe handling

Provide appropriate exhaust ventilation at places where dust is formed. For precautions see section 2.2.

#### Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well-ventilated place.

#### Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

## Section 8: Exposure Controls, Personal Protection

### Control parameters

#### Components with workplace control parameters

Contains no substances with occupational exposure limit values.

### Exposure controls

#### Appropriate engineering controls

General industrial hygiene practice.

### Personal protective equipment

#### Eye/face protection

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

#### Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

#### Body Protection

Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place., The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

#### Respiratory protection

Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

#### Control of environmental exposure

Do not let product enter drains.



## Section 9: Physical and Chemical Properties

**Appearance and Odor:** Light beige, micro-granular, odorless

**pH:** 5-6

**Melting point/freezing point:** Melting point/range: 263-264°C

**Solubility in Water:** 600 g/l @ 20°C

**Bulk density:** 650-700 Kg/m<sup>3</sup>

**Other safety information:** no data available

## Section 10: Stability and Reactivity

**Stability:** Thermal decomposition > 225°C

**Hazardous Reactions:** Dust explosion hazard

**Hazardous Decomposition Product:** No hazardous decomposition products if stored and handled as prescribed/indicated.

## Section 11: Toxicological Information

**LD50/oral/rat:** 10130 mg/kg

**Primary skin irritation:** non-irritant

**Primary irritations of the mucous membrane/rabbit:** non-irritant

## Section 12: Ecological Information

**Mobility:** No data available

**Bioaccumulation potential:** Accumulation in organisms is not to be expected.

**Additional information:** Other ecotoxicological advice: At the present state of knowledge, no negative ecological effects are expected.

## Section 13: Disposal Considerations (non-mandatory)

Observe national and local legal requirements.

## Section 14: Transport Information

**DOT:** Not regulated

**TDG:** Not regulated

**NOM:** Not regulated

**IMDG:** Not regulated

**IATA:** Not regulated

Note: The above regulatory prescriptions are those valid on the date of publication of this sheet. Given the possible evolution of transportation regulations for hazardous materials, it would be advisable to check their

## Section 15: Regulatory Information

### Federal Regulations

### Regulations of the European union (Labeling) / National legislation/Regulations

EG-Number: 211-519-9

not subject to labeling

### Other regulations

## Section 16: Additional Information

**Prepared by:** Origination, LLC

**Prepared:** November 12, 2020

### **Disclaimer:**

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