

Section 1: Identification

Product Name Lysine Hydrochloride USP (L)
Commercial Name Not available.
Product Use Not available.
Restrictions On Use Not available.

Product Code 30-1122

Company PCCA
9901 South Wilcrest
Houston, TX 77099
Phone: 1-800-331-2498
Fax: 1-800-874-5760

In case of emergency contact:
CHEMTREC (24hr) 1-800-424-9300

Section 2: Hazard(s) Identification

OSHA Haz Com: Not available
CFR 1910.1200

Signal Word NON-HAZARDOUS

Hazard Statement(s) Not available

Pictogram(s) or Symbol(s)

Precautionary Statement(s):

Prevention Not available.
Response Not available
Storage Not available
Disposal Not available.

Section 3: Composition/Information on Ingredients

Substance/Mixture Substance
Components {L-} Lysine monohydrochloride
% By Weight 100
CAS# 657-27-2
Molecular Weight 182.68 g/mole
Chemical Formula C₆H₁₄N₂O₂.HCl
Synonym(s) 2,6-Diaminohexanoic acid monohydrochloride

Mixtures

Name	CAS#	% by Weight	TLV/PEL	LC50/LD50
{L-}Lysine monohydrochloride	657-27-2	100	Not available.	Not applicable.

Section 4: First-Aid Measures

Inhalation	If breathed in, move person into fresh air. If not breathing, give artificial respiration.
Skin Contact	Wash off with soap and plenty of water.
Eye Contact	Flush eyes with water as a precaution.
Ingestion	Never give anything by mouth to an unconscious person. Rinse mouth with water.
Symptoms/Effects	
Acute	Not available.
Delayed	Not available.
Immediate Medical Attention	
Not available.	

Section 5: Fire-Fighting Measures**Suitable Extinguishing Media**

Use water spray, alcohol-resistant foam, dry chemical, or carbon dioxide.

Unsuitable Extinguishing Media

Not available.

Products of Combustion

Hazardous decomposition products formed under fire conditions. - Carbon oxides, nitrogen oxides (NOx), Hydrogen chloride gas

Firefighters Special Equipment and Precautions

Wear self-contained breathing apparatus for firefighting if necessary.

Section 6: Accidental Release Measures

Personal precautions: Avoid dust formation. Avoid breathing vapors, mist, or gas. 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.

Section 7: Handling and Storage

Precautions for safe handling: Provide appropriate exhaust ventilation at places where dust is formed. Conditions for safe storage: Keep container tightly closed in a dry and well-ventilated place. Keep in a dry place.

Section 8: Exposure Controls/Personal Protection

Exposure Limits	Not available.
Engineering Controls	Use mechanical exhaust or laboratory fumehood to avoid exposure.
Personal Protection	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). Hand 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. Eye protection: Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU). Skin and 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. Hygiene measures: General industrial hygiene practice.

Section 9: Physical and Chemical Properties

Appearance	White powder		
Odor	Characteristic		
Odor Threshold	Not available.		
Melting Point	263°C (505°F)	pH	5.0 - 6 (at 91.3 g/l at 25°C (77°F))
Freezing Point	Not available.	Vapor Pressure	Not applicable.
Boiling Point/Range	Not applicable	Vapor Density	Not available.
Decomposition temperature	Not available.	Viscosity	Not available.
Partition Coefficient: n-octanol/water	Not available.	Evaporation Rate	Not applicable
Flash Point	Not available.	Autoignition temperature	Not applicable
Flammability	Not applicable	Flammability or Explosive Limits:	
		Lower	Not applicable
		Upper	Not applicable
Solubility(ies)	91.3 g/l at 20°C (68°F) - completely soluble in water.		
Other	Density: 1.28 g/cm ³ at 20°C (68°F)		

Section 10: Stability and Reactivity

Reactivity	Not available.
Chemical Stability	Stable under recommended storage conditions.
Hazardous Polymerization	Not available
Conditions to Avoid	Not available
Incompatible Materials	Strong oxidizing agents
Hazardous Decomposition Products	Hazardous decomposition products formed under fire conditions: Carbon oxides, nitrogen oxides (NO _x), Hydrogen chloride gas

Section 11: Toxicological Information**RTECS** OL5650000**Acute Toxicity**

Not available

Skin Corrosion/Irritation

Not available

Serious Eye Damage/Irritation

Not available.

Respiratory or Skin Sensitization

Not available

Germ Cell Mutagenicity

Not available.

Carcinogenicity

None

Reproductive Toxicity

Not available.

Routes of Entry

Not available

Symptoms Related to Exposure

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Potential Health Effects

May be harmful if inhaled. May cause respiratory tract irritation. May be harmful if swallowed. May be harmful if absorbed through skin. May cause skin irritation. May cause eye irritation.

Target Organ(s) Not available.

Section 12: Ecological Information**Ecotoxicity**

Toxicity to fish semi-static test LC50 - *Oryzias latipes*: > 103 mg/l - 96 h Method: OECD Test Guideline 203 Toxicity to daphnia and other aquatic invertebrates semi-static test EC50 - *Daphnia magna* (Water flea): > 106 mg/l - 48 h Method: OECD Test Guideline 202 Toxicity to algae EC50 - *Pseudokirchneriella subcapitata* (green algae): > 100 mg/l - 72 h Method: OECD Test Guideline 201

Persistence and Degradability

Not available.

Bioaccumulative Potential

Not available.

Mobility in Soil

Not available.

Other Adverse Effects

Not available.

Section 13: Disposal Considerations**Waste Disposal**

Dispose of product and contaminated packaging in accordance with all local, state, and federal environmental control regulations.

Disposal of Container

Not available.

Other Considerations

Not available.

Section 14: Transport Information**DOT Classification**

DOT Not a DOT controlled material (United States). This material is not classified dangerous good according to international transportation regulations (ADR/RID-IMDG-ICAO/IATA).

Section 15: Regulatory Information**Regulations**

Not available.

Other

WHMIS Not controlled under WHMIS (Canada). (Canada);DSCL (EEC) R36/38- Irritating to eyes and skin.;Gloves.;Lab coat.;Dust respirator. Be sure to use an approved/certified respirator or equivalent.;Splash goggles.

Section 16: Other Information

Not available.