



Safety Data Sheet

For Compliance with OSHA 29 CFR 1910.1200 and ANSI Z400.1-1998

L-Histidine USP

30-5116

Section 1: Identification

Product Name L-Histidine USP
Commercial Name N/A
Product Use N/A
Restrictions On Use N/A
Product Code 30-5116
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: N/A
CFR 1910.1200

Signal Word NON-HAZARDOUS

Hazard Statement(s) May cause eye and skin irritation. It will increase the biological oxygen demand (BOD) of water.
Pictogram(s) or Symbol(s)

Precautionary Statement(s):

Prevention N/A
Response N/A
Storage N/A
Disposal N/A

Section 3: Composition/Information on Ingredients

Substance/Mixture Substance
Components L-Histidine
% By Weight 98.5 - 101.0
CAS# 71-00-1
Molecular Weight 155.15
Chemical Formula C₆H₉N₃O₂
Synonym(s) (S)-2-Amino-1H-imidazole-4-propionic acid

Mixtures

Name	CAS#	% by Weight	TLV/PEL	LC50/LD50
L-Histidine	71-00-1	98.5 - 101.0	N/A	N/A



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Section 4: First-Aid Measures

Inhalation	Immediately relocate to a fresh air environment. Rinse mouth with water. If not breathing, give artificial respiration. If breathing becomes difficult, give oxygen and seek medical attention.
Skin Contact	Wash with soap and copious amounts of water. If irritation persists, seek medical attention.
Eye Contact	Immediately flush eyes with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating eyelids with fingers. If contact lenses are being worn, remove lenses and continue rinsing. Seek medical attention.
Ingestion	Rinse mouth with water and seek medical attention.
Symptoms/Effects	
Acute	N/A
Delayed	N/A
Immediate Medical Attention	No information available

Section 5: Fire-Fighting Measures

Suitable Extinguishing Media

Water spray, carbon dioxide, dry chemical powder/foam

Unsuitable Extinguishing Media

N/A

Products of Combustion

carbon monoxide, carbon dioxide and nitrogen oxide

Firefighters Special Equipment and Precautions

Fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard. Upon combustion will result in carbon monoxide, carbon dioxide and nitrogen oxide being released.

Section 6: Accidental Release Measures

Personal precautions, protective equipment and emergency procedures: Use personal protection, Make spills wet to prevent the generation of dust and then, sweep up into a closed container. Environmental precautions: Do not discharge into sewer, river, underground water, etc. Methods and material for containment and cleaning up: After recovering, wash away spilled area with plenty of water

Section 7: Handling and Storage

Precautions for safe handling: Follow good industrial practice in housekeeping and personal hygiene. Wear personal protective equipment as outlined in section 8. Conditions for safe storage, including any incompatibilities: Store in closed containers in a dry area. Avoid humidity, sunlight and high temperature.

Section 8: Exposure Controls/Personal Protection

Exposure Limits	Contains no substance with occupational exposure limit value
Engineering Controls	N/A
Personal Protection	Respiratory protection: Dust mask or appropriate respirator. Utilize local exhaust ventilation. Protective gloves: Rubber Eye protection: Chemical safety goggles. Other protective equipment: Wear appropriate laboratory apparel, protect exposed skin. Occupational exposure limits: Not established

Section 9: Physical and Chemical Properties

Appearance	White crystals or crystalline powder		
Odor	N/A		
Odor Threshold	N/A		
Melting Point	287°C (decomposes)	pH	7.0-8.5 (1.0g in 50mL of H2O)
Freezing Point	N/A	Vapor Pressure	N/A
Boiling Point/Range	N/A	Vapor Density	N/A
Decomposition temperature	N/A	Viscosity	N/A
Partition Coefficient: n-octanol/water	N/A	Evaporation Rate	N/A
Flash Point	N/A	Autoignition temperature	N/A
Flammability	N/A	Flammability or Explosive Limits:	
		Lower	N/A
		Upper	N/A
Solubility(ies)	3.84 g/100g H2O (20°C)		
Other	N/A		

Section 10: Stability and Reactivity

Reactivity	The following applies in general to flammable organic substances and mixtures; in correspondingly fine distribution, when whirled up a dust explosion potential may generally be assumed.
Chemical Stability	Stable under normal temperature and pressures
Hazardous Polymerization	Nitrogen oxides (combustion)
Conditions to Avoid	Humidity and high temperature. In presence of moisture, will oxidize and darken.
Incompatible Materials	Strong oxidizing agents
Hazardous Decomposition Products	Nitrogen oxides (combustion)

Section 11: Toxicological Information

RTECS	N/A
Acute Toxicity	Oral: LD50 > 16 g/kg rat
Skin Corrosion/Irritation	May cause skin irritation.
Serious Eye Damage/Irritation	May cause eye irritation.
Respiratory or Skin Sensitization	N/A
Germ Cell Mutagenicity	N/A
Carcinogenicity	N/A
Reproductive Toxicity	N/A
Routes of Entry	N/A

Symptoms Related to Exposure

N/A

Potential Health Effects

N/A

Target Organ(s) N/A**Section 12: Ecological Information****Ecotoxicity**

No data available

Persistence and Degradability

BOD= 0.556 g/g

Bioaccumulative Potential

No data available

Mobility in Soil

No data available

Other Adverse Effects

WGK class (Europe):1 (group classification according to VwVwS / 17 May 1999, Germany)

Section 13: Disposal Considerations**Waste Disposal**

Dispose of the material as you would with a non-hazardous material in accordance with all applicable national, state and local regulations.

Disposal of Container

N/A

Other Considerations

N/A

Section 14: Transport Information**DOT Classification**

Avoid humidity and high temperature. Prevent damage of the container. 14.1-14.6 Not classified as dangerous in meaning of transport regulations. 14.7 Transport in Bulk according to Annex II of MARPOL 73/78 and the IBC code.

Section 15: Regulatory Information**Regulations**

not regulated

Other

N/A

Section 16: Other Information

The information contained in this SDS is, to the best of our knowledge true and accurate. Any recommendations or suggestions made are without guarantee, since the conditions of use are beyond our control.