



Section 1. Product and Company Identification

Product Name L-Histidine
CAS Number 71-00-1

Parchem - fine & specialty chemicals
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Section 2. Hazards Identification

Classification of the substance or mixture
Classification of the chemical in accordance with paragraph (d) of §1910.1200

Physical Hazards: Not classified

Health Hazards: Not classified

Environmental Hazards: Not classified

Other Hazards: No information

Hazard and precautionary statements

Hazard Statement(s): Not applicable

Precautionary Statement(s): Not applicable

Description of any hazards not otherwise classified: No information

Ingredient with unknown acute toxicity in the mixture: Not applicable

Section 3. Composition / Information on Ingredients

Common Name L-Histidine
CAS Number 71-00-1

COMPONENT	CAS NUMBER	CONCENTRATION
L-Histidine	71-00-1	100 wt%

Section 4. First Aid Measures

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If symptoms continue, call a doctor/physician.

IF ON SKIN: Rinse with plenty of water. If symptoms continue, call a doctor/physician.

IF IN EYES: Immediately rinse cautiously with water for 15 - 20 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If symptoms continue, call a doctor/physician.



IF SWALLOWED: Rinse mouth. Immediately get medical advice/attention.

Most important symptoms/effects, acute and delayed: Not applicable

Indication of immediate medical attention and special treatment needed, if necessary: No information

Section 5. Firefighting Measures

Suitable (and unsuitable) extinguishing media

Suitable extinguishing media: Use water mist, dry chemical powder, fire foam or carbon dioxide.

Unsuitable extinguishing media: Applying direct water may be dangerous because fire may expand to surroundings.

Specific hazards arising from the chemical: General caution; powdered materials may cause dust explosions under certain conditions.

Special protective equipment and precautions for firefighters: Cut off any ignition sources and extinguish with an appropriate agent. Cool the surrounding tank and the buildings with direct water jet to avoid risk of fire spreading. Take action from windward. Keep out except responsible personnel. Move container to a safe area if it can be done without risk.

Section 6. Accidental Release Measures

Personal precautions, protective equipment, and emergency procedures: Keep out except responsible personnel. Avoid release into the environment because product may cause local effects.

Methods and materials for containment and cleaning up: Sweep up scattered materials or vacuum them using a vacuum cleaner so as not to cause dust then collect them into an empty container. Do not eat or drink near handling and storage locations. Eliminate all ignition sources (no smoking, flares, sparks or flames in immediate area). Prevent from flowing into drains, sewers, basements or closed areas.

Section 7. Handling and Storage

Precautions for safe handling

Protective measures: Do not eat, drink or smoke when using this product. Avoid the generation of dust.

Advice on general occupational hygiene: Wash hands thoroughly after handling.

Conditions for safe storage, including any incompatibilities

Technical measures: In the storage area, install adequate light and ventilation systems to handle hazardous materials. Take precautionary measures against static discharge.

Incompatible materials: Oxidizing agents

Conditions for safe storage: Controlled room temperature in tight container.

Packing material: Use a sealed container without damage or leakage.



Section 8. Exposure Controls / Personal Protection

Occupational Exposure Limits

OSHA PEL: Not applicable

ACGIH TLV-TWA (2014): Not applicable

ACGIH TLV-STEL (2014): Not applicable

Appropriate engineering controls: In a work place where dusts generate, ensure to use sealed instrument or local ventilation.

Individual protection measures, such as personal protective equipment

Respiratory protection: In case of dust generation, wear appropriate protective mask or air aspirator as required.

Hand protection: If hand contact is possible, wear protective gloves.

Eye protection: Wear safety glasses or goggles if in eyes.

Skin and body protection: Wear protective clothing and apron if necessary.

Section 9. Physical and Chemical Properties

Appearance (physical state, color, etc.): Solid (20°C), white

Odor: Odorless

Odor threshold: No information

pH: 7.0-8.5 at 2 g/100 mL of water

Melting point/freezing point: 287°C (decomposition)

Initial boiling point and boiling range: Not applicable

Flash point: Not applicable

Evaporation rate: Not applicable

Flammability (solid, gas): No information

Upper/lower flammability or explosive limits: Not applicable

Vapor pressure: Not applicable

Vapor density: Not applicable

Relative density: No information

Solubility(ies): Soluble in water, very slightly soluble in alcohol.

Partition coefficient n-octanol/water: No information

Auto-ignition temperature: No information

Decomposition temperature: No information

Viscosity: Not applicable

Explosive properties: No

Oxidizing properties: No

Section 10. Stability and Reactivity

Reactivity: Stable under normal handling condition.



Chemical stability: Stable under normal handling condition.

Possibility of hazardous reactions: No hazardous reaction expected under normal handling.

Conditions to avoid: Avoid high temperature, high humidity or light.

Incompatible materials: Oxidizing agents

Hazardous decomposition products: In case of fire, toxic decomposition products may be generated.

Section 11. Toxicological Information

Symptoms related to the physical, chemical and toxicological characteristics

Acute toxicity (oral): Rat LD50 > 16,000 mg/kg

Delayed and immediate effects and also chronic effects from short- and long-term exposure: Not applicable

Numerical measures of toxicity (such as acute toxicity estimates): Not applicable

Whether the chemical is listed in the NTP Report on Carcinogens or has been found to be a potential carcinogen in the IARC Monographs, or by OSHA

IARC: Not listed

NTP Report: Not listed

OSHA: Not listed

Section 12. Ecological Information

Ecotoxicity

Aquatic acute toxicity: No information

Aquatic chronic toxicity: No information

Persistence and degradability: No information

Bioaccumulative potential: No information

Mobility in soil: No information

Other adverse effects: L-Histidine is one of common substances (amino acids) composing animal or plant body and is degraded by oxidation and hydrolysis. No serious influence to environment is expected.

Section 13. Disposal Considerations

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

Section 14. Transport Information

UN number: Not applicable

UN proper shipping name: Not applicable

Transport hazard class(es): Not applicable



Packing group: Not applicable

Environmental hazards: Not applicable

Transport in bulk according to Annex II of MARPOL 73/78 and IBC code: Not applicable

Special precautions for user: When transporting, avoid direct sunlight. Confirm no leakage to containers. When loading, prevent containers from falling, dropping off or damaging. Take preventive measures of collapse.

Section 15. Regulatory Information

OSHA: Not applicable

TSCA inventory: Listed on the TSCA Inventory.

TSCA SNUR: Not listed

SARA Title III

Section 302 (Extremely Hazardous Substances): Not listed

Section 304 (Hazardous Substances): Not listed

Section 313 (TRI Chemicals): Not listed

CERCLA Reportable Quantity: Not listed

Clean Air Act: This product does not contain any substances regulated as hazardous air pollutants under Section 112 of the Clean Air Act.

Clean Water Act: This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act.

Section 16. Other Information

Disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product.

REVISION DATE: 8/29/2017