

SAFETY DATA SHEET

Creation Date 17-Sep-2014

Revision Date 24-Dec-2021

Revision Number 4

1. Identification

Product Name

L-Histidine

Cat No. :AC166150000; AC166150250; AC166151000; AC166155000CAS No
Synonyms71-00-1
His; L-2-Amino-3-(4-imidazolyl)propionic acidRecommended Use
Uses advised againstLaboratory chemicals.
Food, drug, pesticide or biocidal product use.

Details of the supplier of the safety data sheet

Company

Fisher Scientific Company One Reagent Lane Fair Lawn, NJ 07410 Tel: (201) 796-7100 Acros Organics One Reagent Lane Fair Lawn, NJ 07410

Emergency Telephone Number

For information **US** call: 001-800-ACROS-01 / **Europe** call: +32 14 57 52 11 Emergency Number **US**:001-201-796-7100 / **Europe**: +32 14 57 52 99 **CHEMTREC** Tel. No.**US**:001-800-424-9300 / **Europe**:001-703-527-3887

2. Hazard(s) identification

Classification

Classification under 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Label Elements
None required

Hazards not otherwise classified (HNOC) None identified

3. Composition/Information on Ingredients

Component L-Histidine		CAS 71-00		Weight %	
L-HIStidine		71-00	J- 1	98	
	4. F	irst-aid mea	sures		
Eye Contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention.				
Skin Contact		ediately with soap ar oes. Get medical at		r while removing all contaminated	
nhalation	Remove from	exposure, lie down.	Remove to fresh	air. Get medical attention.	
ngestion	Clean mouth w	vith water. Get medi	cal attention.		
Most important symptoms and effects	No information	available.			
Notes to Physician	Treat symptom	natically			
	5. Fir	e-fighting me	easures		
Suitable Extinguishing Media	Water spray. C	arbon dioxide (CO). Dry chemical.	Chemical foam.	
Insuitable Extinguishing Media	No information	available			
Flash Point Method -	No information No information				
Autoignition Temperature Explosion Limits	No information	available			
Upper	No data availa				
Lower Sensitivity to Mechanical Impact	No data availa No information				
Sensitivity to Static Discharge	No information				
Specific Hazards Arising from the C Keep product and empty container awa		d sources of ignition	ı.		
Hazardous Combustion Products Nitrogen oxides (NOx). Carbon monox Protective Equipment and Precautio As in any fire, wear self-contained brea protective gear.	ns for Éirefigh	ters	MSHA/NIOSH (;	approved or equivalent) and full	
NFPA Health 1	Flammabili 1	ty	Instability 0	Physical hazards N/A	
	6. Accide	ental release	e measures	S	
Personal Precautions Environmental Precautions		ate ventilation. Use 2 for additional Ecol		ve equipment as required. n.	
lethods for Containment and Clean Jp		nation. Sweep up ar enter the environmer		itable containers for disposal. Do not le	

7. Handling and storage

Handling	Avoid contact with skin and eyes. Do not breathe dust. Do not ingest. If swallowed then seek immediate medical assistance.				
Storage.	Keep in a dry, cool and well-ventilated place. Keep container tightly closed. Incompatible Materials. Strong oxidizing agents.				
8. E	xposure controls / personal protection				
Exposure Guidelines	This product does not contain any hazardous materials with occupational exposure limitsestablished by the region specific regulatory bodies.				
Engineering Measures Personal Protective Equipment	None under normal use conditions.				
Eye/face Protection	Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.				
Skin and body protection	Wear appropriate protective gloves and clothing to prevent skin exposure.				
Respiratory Protection	No protective equipment is needed under normal use conditions.				
Hygiene Measures	Handle in accordance with good industrial hygiene and safety practice.				

9. Physical and chemical properties

Solid White Odorless No information available 7.0-8.5 282 °C / 539.6 °F
Odorless No information available 7.0-8.5
No information available 7.0-8.5
7.0-8.5
282 °C / 539.6 °F
No information available
No information available
Not applicable
No information available
No data available
No data available
No information available
Not applicable
No information available
No information available
No data available
No information available
No information available
Not applicable
C6 H9 N3 O2
155.16

10. Stability and reactivity

Reactive Hazard	None known, based on information available		
Stability	Stable under normal conditions.		
Conditions to Avoid	Avoid dust formation. Incompatible products.		

Incompatible Materials	erials Strong oxidizing agents							
Hazardous Decomposition Products Nitrogen oxides (NOx), Carbon monoxide (CO), Carbon dioxide (CO2)								
Hazardous Polymerizati	on	No information ava	ilable.					
Hazardous Reactions		None under normal processing.						
		11. Toxico	logical info	ormation				
Acute Toxicity								
Product Information Component Information	1							
Component		LD50 Oral		LD50 Dermal	LC50	Inhalation		
L-Histidine		LD50 > 15 g/kg (Rat	:)	Not listed	Nc	ot listed		
Toxicologically Synergis Products	stic	No information ava	ilable					
Delayed and immediate	effects as we	ell as chronic effe	cts from short an	d long-term expos	ure			
Irritation		No information ava	ilable					
Sensitization		No information ava	ilable					
Carcinogenicity	ty The table below indicates whether each agency has listed any ingredient as a carcinogen.							
Component	CAS No	IARC	NTP	ACGIH	OSHA	Mexico		
L-Histidine	71-00-1	Not listed	Not listed	ACGIH Not listed	OSHA Not listed	Mexico Not listed		
	71-00-1		Not listed					
L-Histidine	71-00-1	Not listed	Not listed ilable					
L-Histidine Mutagenic Effects	71-00-1	Not listed No information ava	Not listed ilable ilable.					
L-Histidine Mutagenic Effects Reproductive Effects	71-00-1	Not listed No information ava No information ava	Not listed ilable ilable. ilable.					
L-Histidine Mutagenic Effects Reproductive Effects Developmental Effects	71-00-1	Not listed No information ava No information ava No information ava	Not listed ilable ilable. ilable.					
L-Histidine Mutagenic Effects Reproductive Effects Developmental Effects Teratogenicity STOT - single exposure	71-00-1 Jre	Not listed No information ava No information ava No information ava No information ava None known	Not listed iilable iilable. iilable. iilable.					
L-Histidine Mutagenic Effects Reproductive Effects Developmental Effects Teratogenicity STOT - single exposure STOT - repeated exposure	71-00-1 Jre	Not listed No information ava No information ava No information ava No information ava None known None known None known	Not listed iilable iilable. iilable. iilable.					
L-Histidine Mutagenic Effects Reproductive Effects Developmental Effects Teratogenicity STOT - single exposure STOT - repeated exposur Aspiration hazard Symptoms / effects,bot	71-00-1 ure h acute and	Not listed No information ava No information ava No information ava No information ava None known None known None known	Not listed iilable iilable. iilable. iilable. iilable					
L-Histidine Mutagenic Effects Reproductive Effects Developmental Effects Teratogenicity STOT - single exposure STOT - repeated exposur Aspiration hazard Symptoms / effects,bot delayed	71-00-1 In acute and ormation	Not listed No information ava No information ava No information ava No information ava None known None known No information ava No information ava	Not listed iilable iilable. iilable. iilable iilable		Not listed			
L-Histidine Mutagenic Effects Reproductive Effects Developmental Effects Teratogenicity STOT - single exposure STOT - repeated exposure STOT - repeated exposure STOT - repeated exposure STOT - repeated exposure Stor - rep	71-00-1 In acute and ormation	Not listed No information ava No information ava No information ava No information ava None known No information ava No information ava No information ava The toxicological p	Not listed iilable iilable. iilable. iilable iilable	Not listed	Not listed			
L-Histidine Mutagenic Effects Reproductive Effects Developmental Effects Teratogenicity STOT - single exposure STOT - repeated exposur STOT - repeated exposur Aspiration hazard Symptoms / effects,bot delayed Endocrine Disruptor Info Other Adverse Effects	71-00-1 ure h acute and ormation	Not listed No information ava No information ava No information ava No information ava None known No information ava No information ava No information ava The toxicological p	Not listed ilable ilable. ilable. ilable ilable ilable roperties have not	Not listed	Not listed			
L-Histidine Mutagenic Effects Reproductive Effects Developmental Effects Teratogenicity STOT - single exposure STOT - repeated exposur STOT - repeated exposur Aspiration hazard Symptoms / effects,bot delayed Endocrine Disruptor Info Other Adverse Effects	71-00-1 ure h acute and ormation	Not listed No information ava No information ava No information ava No information ava None known No information ava No information ava No information ava The toxicological p	Not listed ilable ilable. ilable. ilable ilable ilable roperties have not	Not listed	Not listed			

Bioaccumulation/ Accumulation

13. Disposal considerations				
Waste Disposal Methods	Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waste regulations to ensure complete and accurate classification.			
14. Transport information				

14. Transport Information				
DOT	Not regulated			
DOT TDG	Not regulated			
<u>IATA</u>	Not regulated			
IMDG/IMO	Not regulated			
	15. Regulatory information			

United States of America Inventory

Component	CAS No	TSCA	TSCA Inventory notification - Active-Inactive	TSCA - EPA Regulatory Flags
L-Histidine	71-00-1	Х	ACTIVE	-

Legend:

TSCA US EPA (TSCA) - Toxic Substances Control Act, (40 CFR Part 710)

X - Listed '-' - Not Listed

TSCA 12(b) - Notices of Export Not applicable

International Inventories

Canada (DSL/NDSL), Europe (EINECS/ELINCS/NLP), Philippines (PICCS), Japan (ENCS), Japan (ISHL), Australia (AICS), China (IECSC), Korea (KECL).

Component	CAS No	DSL	NDSL	EINECS	PICCS	ENCS	ISHL	AICS	IECSC	KECL
L-Histidine	71-00-1	Х	-	200-745-3	Х	Х	Х	Х	Х	KE-19948

KECL - NIER number or KE number (http://ncis.nier.go.kr/en/main.do)

U.S. Federal Regulations

SARA 313	Not applicable
SARA 311/312 Hazard Categories	See section 2 for more information
CWA (Clean Water Act)	Not applicable
Clean Air Act	Not applicable
OSHA - Occupational Safety and Health Administration	Not applicable
CERCLA	Not applicable
California Proposition 65	This product does not contain any Proposition 65 chemicals.
U.S. State Right-to-Know Regulations	Not applicable
U.S. Department of Transportation	

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Reportable Quantity (RQ):

DOT Marine Pollutant DOT Severe Marine Pollutant	N N
U.S. Department of Homeland Security	This product does not contain any DHS chemicals.
Other International Regulations	

Mexico - Grade

No information available

Authorisation/Restrictions according to EU REACH

Safety, health and environmental regulations/legislation specific for the substance or mixture

Component	CAS No	OECD HPV	Persistent Organic Pollutant	Ozone Depletion Potential	Restriction of Hazardous Substances (RoHS)
L-Histidine	71-00-1	Not applicable	Not applicable	Not applicable	Not applicable
Component	CAS No	Seveso III Directive (2012/18/EC) - Qualifying Quantities for Major Accident Notification	Seveso III Directive (2012/18/EC) - Qualifying Quantities for Safety Report Requirements	Rotterdam Convention (PIC)	Basel Convention (Hazardous Waste)
L-Histidine	71-00-1	Not applicable	Not applicable	Not applicable	Not applicable

16. Other information	
Prepared By	Regulatory Affairs Thermo Fisher Scientific Email: EMSDS.RA@thermofisher.com
Creation Date Revision Date Print Date Revision Summary	17-Sep-2014 24-Dec-2021 24-Dec-2021 This document has been updated to comply with the US OSHA HazCom 2012 Standard replacing the current legislation under 29 CFR 1910.1200 to align with the Globally Harmonized System of Classification and Labeling of Chemicals (GHS).

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text

End of SDS