

SAFETY DATA SHEET

Revision Date 28-Mar-2024

Revision Number 3

1. Identification

Product Name	D-Histidine			
Cat No. :	B21027			
CAS No	351-50-8			
Synonyms	D-2-Amino-3-(4-imidazolyl)propionic acid			
Recommended Use	Laboratory chemicals.			
Uses advised against	Food, drug, pesticide or biocidal product use.			

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Details of the supplier of the safety data sheet

Company

Thermo Fisher Scientific Chemicals, Inc. 30 Bond Street Ward Hill, MA 01835-8099 Tel: 800-343-0660 Fax: 800-322-4757

Emergency Telephone Number

For information **US** call: 001-800-227-6701 / **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

<u>Classification</u> 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

4. First-aid measures Eye Contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. medical attention. Skin Contact Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Get medical attention. Inhalation Remove from exposure, lie down. Remove to fresh air.	Component		CAS No	Weight %			
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7 Llandling and storage							

7. Handling and storage

Handling	Avoid contact with skin and eyes. Do not breathe dust.				
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	None under normal use conditions.				
Personal Protective Equipment					
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.				
Recommended Filter type:	Particle filter.				
Hygiene Measures	Handle in accordance with good industrial hygiene and safety practice.				

9. Physical ar	nd chemical properties
Physical State	Powder Solid
Appearance	White
Odor	Odorless
Odor Threshold	No information available
рН	No information available
Melting Point/Range	287 °C / 548.6 °F
Boiling Point/Range	No information available
Flash Point	No information available
Evaporation Rate	Not applicable
Flammability (solid,gas)	No information available
Flammability or explosive limits	
Upper	No data available
Lower	No data available
Vapor Pressure	No information available
Vapor Density	Not applicable
Specific Gravity	No information available
Solubility	No information available
Partition coefficient; n-octanol/water	No data available
Autoignition Temperature	No information available
Decomposition Temperature	No information available
Viscosity	Not applicable
Molecular Formula	C6 H9 N3 O2
Molecular Weight	155.16

10. Stability and reactivity

Reactive Hazard

None known, based on information available

Stability

Stable.

Conditions to Avoid		Incompatible products.					
Incompatible Materials		Strong oxidizing agents					
Hazardous Decomposition	Hazardous Decomposition Products Nitrogen oxides (NOx), Carbon monoxide (CO), Carbon dioxide (CO2)						
Hazardous Polymerization		Hazardous polyme	erization does not o	occur.			
Hazardous Reactions		None under norma	al processing.				
		11 Toxico	ological info	ormation			
Acute Toxicity			orogroun me				
Product Information		No acute toxicity ir	nformation is availa	able for this produc	t		
Component Information Toxicologically Synergistic	С	No information ava	ailable				
Products Delayed and immediate eff		vell as chronic effe	cts from short an	d long-term expo	sure		
Irritation		No information ava		<u></u>	<u></u>		
Sensitization		No information ava					
				ah aganay haa lia	ted any ingradiant		
Carcinogenicity		The table below in				-	
	AS No 1-50-8	IARC Not listed	NTP Not listed	ACGIH Not listed	OSHA Not listed	Mexico Not listed	
Mutagenic Effects	1-30-0	No information ava		Not listed	Not listed	Not listed	
Reproductive Effects		No information ava	ailable.				
Developmental Effects		No information available.					
Teratogenicity		No information available.					
STOT - single exposure STOT - repeated exposure		None known None known					
Aspiration hazard		No information available					
Symptoms / effects,both a delayed	acute and	No information ava	ailable				
Endocrine Disruptor Inform	nation	No information ava	ailable				
Other Adverse Effects The toxicological properties have not been fully investigated.							
		12. Ecol	ogical infor	mation			
Ecotoxicity							
Persistence and Degradability Soluble in water Persistence is unlikely based on information available.							
Bioaccumulation/ Accumulation No information available.							
Mobility Will likely be mobile in the environment due to its water solubility.							
	13. Disposal considerations						
Waste Disposal Methods		Chemical waste ge			discarded chemica	l 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				
DOT	Not regulated				
DOT TDG IATA	Not regulated				
IATA	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
D-Histidine	351-50-8	Х	INACTIVE	-

Legend:

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

X - Listed

'-' - Not Listed

TSCA - Per 40 CFR 751, Regulation of Certain Chemical Substances & Mixtures, Under TSCA Section 6(h) (PBT)

TSCA 12(b) - Notices of Export

Not applicable

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
D-Histidine	351-50-8	-	Х	206-513-8	-	-	Х	-	-	-

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

U.S. Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

SARA 311/312 Hazard Categories

Should this product meet EPCRA 311/312 Tier reporting criteria at 40 CFR 370, refer to Section 2 of this SDS for appropriate classifications.

CWA (Clean Water Act)	Not applicable
Clean Air Act	Not applicable
OSHA - Occupational Safety and Health Administration	Not applicable

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

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 Reportable Quantity (RQ): DOT Marine Pollutant DOT Severe Marine Pollutant	N 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 EUREACH Not applicable					

Authorisation/Restrictions according to EU REACH

Not a	applic	able
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	Component	CAS No	REACH (1907/2006) - Annex XIV - Substances Subject to Authorization	5	REACH Regulation (EC 1907/2006) article 59 - Candidate List of Substances of Very High Concern (SVHC)
[D-Histidine	351-50-8	-	-	-

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)
D-Histidine	351-50-8	Not applicable	Not applicable	Not applicable	Not applicable

Contains component(s) that meet a 'definition' of per & poly fluoroalkyl substance (PFAS)? Not applicable

Other International Regulations

	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	Convention (PIC)	Basel Convention (Hazardous Waste)
L	D-Histidine	351-50-8	Not applicable	Not applicable	Not applicable	Not applicable

16. Other information				
Prepared By	Health, Safety and Environmental Department Email: chem.techinfo@thermofisher.com www.thermofisher.com			
Revision Date Print Date Revision Summary	28-Mar-2024 28-Mar-2024 New emergency telephone response service provider.			

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