



# SAFETY DATA SHEET

## 1. IDENTIFICATION OF THE PREPARATION AND OF THE COMPANY

Catalogue No. : H 10609  
Product Name : L-HISTIDINE

Manufacturer / supplier identification

Company : NICE Chemicals (P) Ltd. , Cochin , India  
Tel - 0484 2800212 , 2802755

Contact For Information : Tel . No. – 0484 2802536 Fax : 0484 2802483

Emergency Telephone No. : 0484 2801583 Tele fax No. : 0484 2802483

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## 2. COMPOSITION / INFORMATION ON INGREDIENTS

Synonyms: l-3-Imidazol-4-ylalanine

CAS-No. : 71-00-1 EC-No. : 200-745-3  
EC-Index-No. : ----- M : 155.16 g/mol  
Formula ( Hill) : ----- Chemical formula : -----  
Molecular formula (Hill) : C<sub>6</sub>H<sub>9</sub>N<sub>3</sub>O<sub>2</sub>

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3. HAZARDS IDENTIFICATION : No hazardous product as specified in Directive 67/548/EEC.

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4. FIRST AID MEASURES : After inhalation : Fresh air.  
After skin contact : Wash off under running water.  
After eye contact : Rinse out with plenty of water . If pain persists, summon eye specialist.  
After swallowing : Make victim drink plenty of water, induce vomiting. Summon doctor if feeling unwell.

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5. FIRE – FIGHTING MEASURES : Suitable extinguishing media : In adaption to materials stored in the immediate neighbourhood.



# SAFETY DATA SHEET

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Special risks : Non- combustible. Ambient fire may liberate hazardous vapours. The following may develop in event of fire : nitrogen oxides.

Special protective equipment for fire fighting : Do not stay in dangerous zone without self-contained breathing apparatus.

Other information : Contain escaping vapours with water. Prevent fire-fighting water from entering surface water or groundwater.

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## 6. ACCIDENTAL RELEASE MEASURES

Person-related precautionary measures: Avoid generation of dusts; do not

inhale dusts.

Environmental-protection measures : Take up dry. Forward for disposal.

Clean up effected area.

Procedures for cleaning/absorption : Take up dry. Forward for disposal.

Clean up affected area. Avoid generation of dusts.

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**7. HANDLING AND STORAGE** : Handling : No further requirements.

Storage : Tightly closed . Dry. At 5° C to 30° C.

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Personal protective equipment : Protective clothing should be selected specifi-

cally for the working place, depending on concentration and quantity of the hazardous substances handled . The resistance of the protective clothing to chemicals should be ascertained with the respective supplier.

Respiratory protection : Required when dusts are generated.



## SAFETY DATA SHEET

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Eye protection : Required

Hand protection : Used recommended.

Industrial hygiene : Change contaminated clothing. Wash hands  
after working with substance.

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### 9. PHYSICAL AND CHEMICAL PROPERTIES

Form : Solid

Colour : Off-white

Odour : Weak

pH value at 20 g/l H<sub>2</sub>O(20°C) : 7.7

Melting temperature : 272-273 ° C (decomposition)

Boiling temperature : Not available

Ignition temperature : Not available

Flash point : Not available

Explosion limits lower : Not available

Upper : Not available

Density : Not available

Bulk density : 430 kg/m<sup>3</sup>

Solubility in water(20°C) : 38.2 g/l

Ethanol (20o C) : sparingly soluble

Thermal decomposition : -287 ° C

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**10. STABILITY AND REACTIVITY** : Conditions to be avoided : Strong heating.

Substance to be avoided : No information available.

Hazardous decomposition products : In the event of fire: See chapter 5.

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**11. TOXICOLOGICAL INFORMATION** : Acute toxicity: LD<sub>50</sub> (oral, rat): >5110 mg/kg.

Further toxicological information : This is a semi-essential amino acid which



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is frequently found in natural protein. No toxic effects are to be expected when the product is handled appropriately.

Further data : The product should be handled with the care usual when dealing with chemicals.

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## 12. ECOLOGICAL INFORMATION

Ecotoxic effects : Quantitative data on the ecological effect of this product are not available.

Further ecologic data : No ecological problems are to be expected when the product is handled and used with due care and attention.

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## 13. DISPOSAL METHOD

Chemicals must be disposed of in compliance with the respective national regulations. Under [www. retrologistik.de](http://www.retrologistik.de) you will find country- and substance-specific information as well as contact partners.

Nice product packaging must be disposed of in compliance with the county-specific regulations or must be passed to a packaging return system. Under [www. retrologistik. de](http://www. retrologistik. de) you will find special information on the respective national conditions as well as contact partners.

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**14. TRANSPORT INFORMATION :** Not subject to transport regulations.

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## 15. REGULATORY INFORMATION

Labelling according to EC Directives

Symbol : -----  
R-phrases : -----  
S-phrase : -----

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## 16. OTHER INFORMATION

Reason for alteration:

Change /addition in the chapter 5.

General update.

Regional representation :

This information is given on the authorised Safety Data Sheet for your country.

The information contained here in is based on the present state of our knowledge.

It characterizes the product with regard to the appropriate safety precautions. It does not represent a guarantee of the properties of the product.

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