

**L-Histidine****DOC0(142-145)****SECTION 1 Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

Identification of the product : Raw material  
Product code : DOC0(142-145)  
Trade name : L-Histidine  
CAS number : 000071-00-1

**1.2. Relevant identified uses of the substance or mixture and uses advised against**

1.2.1 Relevant identified uses : For research purposes only  
1.2.2 Uses advised against No additional information available

**1.3. Details of the supplier of the safety data sheet**

Company identification : Formedium Ltd.  
King's Lynn, England, PE31 6DJ  
Tel: +44(0)1485 609069  
Web: www.formedium.com  
E-mail: info@formedium.com

**1.4. Emergency telephone number**

Emergency telephone number : Tel: +44(0)1485 609069 (local time : 9.00 to 17.00)  
NHS Direct 111 (UK, 24 hours), 112 (EU, 24 Hours)

**SECTION 2 Hazards identification****2.1. Classification of the substance or mixture****Classification according to Regulation (EC) 1272/2008**

Not regulated

**2.2. Label elements****Labelling according to Regulation (EC) No. 1272/2008**

Hazards pictograms code : None  
Precautionary statements : None

**2.3 Other hazards**

None under normal conditions.

**L-Histidine****DOC0(142-145)****SECTION 3 Composition/information on ingredients****3.1. Substance / Preparation**

Molecular weight g/mol : 155.2  
Structural formula: : C<sub>6</sub>H<sub>9</sub>N<sub>3</sub>O<sub>2</sub>

Substance name:	Contents	CAS No:	EC No:	Annex No:	Ref REACH	Classification
L-Histidine	> 99 %	71-00-1	200-745-3	--	--	--

**SECTION 4 First aid measures****4.1. Description of first aid measures**

**General information** : Seek medical attention if ill effects develops.

**Inhalation** : Remove victim to fresh air.

**Skin contact** : : Wash skin with mild soap and water.

**Eye contact** : Rinse with water.

**Ingestion** : Rinse mouth.

**4.2. Most important symptoms and effects, both acute and delayed**

**Symptoms and effects, both acute and delayed.** : No data available

**4.3. Indication of any immediate medical attention and special treatment needed**

**Medical attention and special treatment needed.** : No data available.

**SECTION 5 Fire-fighting measures****5.1. Extinguishing media**

**Suitable extinguishing media** : Alcohol foam, Water spray, Carbon dioxide (CO<sub>2</sub>) or Dry powder.

**5.2. Special hazards arising from the substance or mixture**

Under fire conditions, hazardous fumes will be present. CO<sub>x</sub>, NO<sub>x</sub>

**5.3. Advice for firefighters**

**Protection against fire** : Wear proper protective equipment.

**L-Histidine****DOC0(142-145)****SECTION 6 Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures****General precautions** : Wear suitable protective equipment.**Personal precautions** : Wear suitable protective clothing.**6.2 . Environmental precautions**

Prevent entry to sewers and public waters.

**6.3. Methods and material for containment and cleaning up**

Sweep up dry powder and dispose properly.

**6.4. Reference to other sections**

For disposal see section 13.

**SECTION 7 Handling and storage****7.1. Precautions for safe handling**

Store in a dry, well-ventilated area.

**7.2. Conditions for safe storage, including any incompatibilities**Store at room temperature.  
Keep container tightly closed.**7.3. Specific end use(s)**

For research purposes only

**SECTION 8 Exposure controls/personal protection****8.1. Control parameters**

No data available.

**8.2. Exposure controls**

- **Eye protection** : Safety glasses.
- **Skin protection** : In case of possible repeated skin contact wear protective clothing.
- **Hand protection** : Wear gloves.
- **Respiratory protection** : P1 Where excessive dust may result, wear approved mask.

**SECTION 9 Physical and chemical properties****• Appearance****Appearance** : Powder.**Colour** : White**• Odour****Odour** : Weak.

**L-Histidine****DOC0(142-145)****SECTION 9 Physical and chemical properties (continued)**

- Odour threshold  
Odour threshold : Not established.
- pH  
pH value : 7.7 10g/L
- Melting point / Freezing point  
Melting point (°C) : 272 - 273
- Initial boiling point – boiling range  
Boiling point (°C) : No data available.
- Flash point  
Flash point (°C) : No data available.
- Evaporation rate  
Evaporation rate (ether =1) : No data available.
- Flammability  
Flammability range (vol % in air) : No data available.
- Explosion limits (lower – upper)  
Explosion limits : No data available.
- Vapour pressure  
Vapour pressure : Not established.
- Vapour density  
Relative vapour density (air=1) : No data available.
- Relative density  
Bulk Density (kg/m<sup>3</sup>) : Circa 430
- Solubility  
Solubility in water : Circa 40 (g/L at 20°C)
- Partition coefficient : n-octanol / water  
Log P octanol / water at 20°C : - 3.32
- Auto-ignition temperature  
Auto-ignition temperature (°C) : No data available.
- Thermal decomposition  
Thermal decomposition (°C) : No data available.
- Viscosity  
Viscosity : No data available.
- Explosive properties  
Explosive properties : Not established.
- Oxidising properties  
Oxidising properties : Not established.

**9.2. Other information**

Other data : No data available.

**L-Histidine****DOC0(142-145)****SECTION 10 Stability and reactivity****10.1. Reactivity**

Stable under normal conditions.

**10.2. Chemical stability****Stability** : Stable under normal conditions.**10.3. Possibility of hazardous reactions****Hazardous reactions** : No data available.**10.4. Conditions to avoid****Conditions to avoid** : Heat.**10.5. Incompatible materials****Materials to avoid** : Strong oxidizers.**10.6. Hazardous decomposition products****Hazardous decomposition products** : When heated to decomposition, emits dangerous fumes.**SECTION 11 Toxicological information****11.1. Information on toxicological effects****Rat oral LD50 (mg/Kg)** :: > 5110**11.2. Additional Information**

The Substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

**SECTION 12 Ecological information****12.1. Toxicity**

No data available.

**12.2. Persistence - degradability**

No data available.

**12.3. Bioaccumulative potential**

No data available.

**12.4. Mobility in soil**

No data available.

**12.5. Results of PBT and vPvB assessment**

No data available.

**12.6. Other adverse effects****Environmental precautions** : Prevent entry to sewers and public waters.  
Avoid release to the environment.**12.7. Endocrine disrupting properties**

The Substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

**L-Histidine****DOC0(142-145)****SECTION 13 Disposal considerations****13.1. Waste treatment methods**

**Special precautions** Avoid release to the environment.  
Dispose in a safe manner in accordance with local / national regulations.

**SECTION 14 Transport information****14.1. UN Number**

Not applicable.

**General information** : Not classified as dangerous in the meaning of transport regulations.

**14.2. UN Proper shipping name**

Not applicable.

**14.3. Transport Hazard Class(es)**

Not applicable.

**14.4. Packing group**

Not applicable.

**14.5. Environmental hazards**

Not applicable.

**14.6. Special precautions for user**

Not applicable

**SECTION 15 Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

This safety datasheet complies with the requirements of Regulation (EU) No. 2015/830.

**15.2. Chemical Safety Assessment**

For this product a chemical safety assessment was not carried out.

**SECTION 16 Other information**

**Further information** : 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. Formedium Ltd. shall not be held liable for any damage resulting from handling or from contact with the above product.

**Revision** : Complete SDS revision

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