

**BIO BASIC INC.**

**MATERIAL SAFETY DATA SHEET**  
REQUIRED UNDER SAFETY AND HEALTH REGULATION FOR SHIP REPAIRING

DATE UPDATED: OCTOBER 07, 2015

**SECTION 1. ----- CHEMICAL IDENTIFICATION-----**

**Product Name** Histamine  
**Product Code(s)** HB0500  
**Recommended Use** For Laboratory Use Only  
Not for Human or Animal Drug Use

**SECTION 2. ----- HAZARDS IDENTIFICATION -----**

**Emergency Overview**

**Target Organs**

Smooth muscle., HeartSmooth muscle., Heart

**WHMIS Classification**

D1B	Toxic Material Causing Immediate and Serious Toxic Effects	Toxic by ingestion
D2B	Toxic Material Causing Other Toxic Effects	Moderate skin irritant Moderate respiratory irritant Moderate eye irritant

**GHS Classification**

Acute toxicity, Oral (Category 3)  
Skin irritation (Category 2)  
Eye irritation (Category 2A)  
Respiratory sensitisation (Category 1)  
Skin sensitisation (Category 1)  
Specific target organ toxicity - single exposure (Category 3)

**GHS Label elements, including precautionary statements**

Pictogram



Signal word Danger

Hazard statement(s)

H301	Toxic if swallowed.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335	May cause respiratory irritation.

Precautionary statement(s)

P261	Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
P280	Wear protective gloves.
P301 + P310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician.

P305 + P351 + P338

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P342 + P311

If experiencing respiratory symptoms: Call a POISON CENTER or doctor/ physician.

#### HMIS Classification

Health hazard: 3

Chronic Health Hazard: \*

Flammability: 0

Physical hazards: 0

#### Potential Health Effects

**Inhalation** May be harmful if inhaled. Causes respiratory tract irritation.

**Skin** May be harmful if absorbed through skin. Causes skin irritation.

**Eyes** Causes eye irritation.

**Ingestion** Toxic if swallowed.

### SECTION 3. ----- COMPOSITION/INFORMATION ON INGREDIENTS -----

Chemical Name	EC No.	REACH Reg. No.	CAS-No	Weight %	Classification
2-Imidazol-4-ylethylamine	200-100-6	Not available	51-45-6	95-100	-

### SECTION 4. ----- FIRST-AID MEASURES-----

#### General advice

Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

#### If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

#### In case of skin contact

Wash off with soap and plenty of water. Take victim immediately to hospital. Consult a physician.

#### In case of eye contact

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

#### If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

### SECTION 5. ----- FIREFIGHTING MEASURES-----

#### Conditions of flammability

Not flammable or combustible.

#### Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

#### Special protective equipment for firefighters

Wear self contained breathing apparatus for fire fighting if necessary.

#### Hazardous combustion products

Hazardous decomposition products formed under fire conditions. - Carbon oxides, nitrogen oxides (NOx)

#### Explosion data - sensitivity to mechanical

impact no data available

#### Explosion data - sensitivity to static

discharge no data available

### SECTION 6. ----- ACCIDENTAL RELEASE MEASURES-----

#### Personal precautions

Wear respiratory protection. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate

ventilation. Evacuate personnel to safe areas. Avoid breathing dust.

#### **Environmental precautions**

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

#### **Methods and materials for containment and cleaning up**

Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

### **SECTION 7. -----HANDLING AND STORAGE-----**

#### **Precautions for safe handling**

Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed.

#### **Conditions for safe storage**

Keep container tightly closed in a dry and well-ventilated place.

Recommended storage temperature: -20 °C

Hygroscopic. Handle and store under inert gas. Air sensitive. Keep in a dry place.

### **SECTION 8. -----EXPOSURE CONTROLS/PERSONAL PROTECTION-----**

#### **Personal protective equipment**

##### **Respiratory protection**

Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N99 (US) or type P2 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

##### **Hand protection**

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

##### **Eye protection**

Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

##### **Skin and body protection**

Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

##### **Hygiene measures**

Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.

##### **Specific engineering controls**

Use mechanical exhaust or laboratory fumehood to avoid exposure.

### **SECTION 9. -----PHYSICAL AND CHEMICAL PROPERTIES-----**

#### **Appearance**

Form	powder
Colour	light yellow

#### **Safety data**

pH	no data available
Melting point/freezing point	Melting point/range: 83 - 84 °C (181 - 183 °F)
Boiling point	167 °C (333 °F) at 1.1 hPa (0.8 mmHg)
Flash point	no data available
Ignition temperature	no data available

Auto-ignition temperature	no data available
Lower explosion limit	no data available
Upper explosion limit	no data available
Vapour pressure	no data available
Density	no data available
Water solubility	no data available
Partition coefficient: n-octanol/water	no data available
Relative vapour density	no data available
Odour	no data available
Odour Threshold	no data available
Evaporation rate	no data available

## SECTION 10. -----STABILITY AND REACTIVITY-----

### Chemical stability

Stable under recommended storage conditions.

### Possibility of hazardous reactions

no data available

### Conditions to avoid

no data available

### Materials to avoid

Strong oxidizing agents

### Hazardous decomposition products

Hazardous decomposition products formed under fire conditions. - Carbon oxides, nitrogen oxides (NOx) Other decomposition products - no data available

## SECTION 11. -----TOXICOLOGICAL INFORMATION-----

### Acute toxicity

#### Oral LD50

LD50 Oral - mouse - 220 mg/kg

#### Inhalation LC50

no data available

#### Dermal LD50

no data available

#### Other information on acute toxicity

no data available

### Skin corrosion/irritation

no data available

### Serious eye damage/eye

irritation no data available

### Respiratory or skin sensitisation

no data available

May cause allergic respiratory and skin reactions

### Germ cell mutagenicity

Genotoxicity in vitro - mouse - Embryo

Cytogenetic analysis

Genotoxicity in vitro - Human - Other cell types  
DNA inhibition

#### **Carcinogenicity**

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

#### **Reproductive toxicity**

Reproductive toxicity - mouse - Subcutaneous

Paternal Effects: Prostate, seminal vesicle, Cowper's gland, accessory glands.

no data available

#### **Teratogenicity**

no data available

#### **Specific target organ toxicity - single exposure (Globally Harmonized System)**

Inhalation - May cause respiratory irritation.

#### **Specific target organ toxicity - repeated exposure (Globally Harmonized System)** no data available

#### **Aspiration**

**hazard** no data

available

#### **Potential health effects**

<b>Inhalation</b>	May be harmful if inhaled. Causes respiratory tract irritation.
<b>Ingestion</b>	Toxic if swallowed.
<b>Skin</b>	May be harmful if absorbed through skin. Causes skin irritation.
<b>Eyes</b>	Causes eye irritation.

#### **Signs and Symptoms of Exposure**

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

#### **Synergistic**

**effects** no data

available

#### **Additional Information**

RTECS: MS1050000

## **SECTION 12. -----ECOLOGICAL INFORMATION-----**

#### **Toxicity**

no data available

#### **Persistence and**

**degradability** no data

available

#### **Bioaccumulative**

**potential** no data

available

#### **Mobility in**

**soil** no data

available

#### **PBT and vPvB**

**assessment** no data

available

#### **Other adverse effects**

no data available

**SECTION 13. ----- DISPOSAL CONSIDERATIONS -----**

**Waste Disposal Method**                      Dispose of material in accordance with all federal, state, and local regulations

**Contaminated Packaging**                      Dispose of in accordance with all federal, state and local regulations

**SECTION 14. ----- TRANSPORT INFORMATION -----**

**DOT (US)**

UN number: 2811    Class: 6.1                      Packing group: III  
Proper shipping name: Toxic solids, organic, n.o.s. (2-Imidazol-4-ylethylamine)  
Reportable Quantity (RQ):  
Marine pollutant: No  
Poison Inhalation Hazard: No

**IMDG**

UN number: 2811    Class: 6.1                      Packing group: III                      EMS-No: F-A, S-A  
Proper shipping name: TOXIC SOLID, ORGANIC, N.O.S. (2-Imidazol-4-ylethylamine)  
Marine pollutant: No

**IATA**

UN number: 2811    Class: 6.1                      Packing group: III  
Proper shipping name: Toxic solid, organic, n.o.s. (2-Imidazol-4-ylethylamine)

**SECTION 15. ----- REGULATORY INFORMATION -----**

**WHMIS Classification**

D1B	Toxic Material Causing Immediate and Serious Toxic Effects	Toxic by ingestion
D2B	Toxic Material Causing Other Toxic Effects	Moderate skin irritant Moderate respiratory irritant Moderate eye irritant

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

**SECTION 16. ----- OTHER INFORMATION -----**

**Issuing Date**                                      13-Aug-2009

**Revision Date**                                    07-Oct-2015

**Revision Note**                                   No information available.

**Recommended Restrictions**                   No information available

**Disclaimer**

The information provided on this MSDS 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 guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as 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 material or in any process, unless specified in the text.

**End of MSDS**