



## PHENIBUT

### 1.-IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY UNDERTAKING

#### 1.1.-Identification of the substance or preparation

Chemical name	4-amino-3-phenylbutanic acid hydrochloride
Trade name	PHENIBUT
CAS RN	1078-21-3
Chemical family	A amino acid derivative
Chemical formula	C <sub>10</sub> H <sub>13</sub> NO <sub>2</sub> .HCL

#### 1.2.-Company/undertaking identification

Company	Lianyungang Hengfei Pharmaceutical Co.,LTD.
Person	Jufang Zhou
Address	Duigougang ,guannan(Chemical Industrial Park)Lianyungang City , Jiangsu Province,People's Republic of China, 222523
Telephone	086-0518-83618977
Fax	086-0518-83618377
E-mail	sales @xinyouchem.com

#### 1.3.-Emergency telephone number

Office	086-0576-88517139
Plants	086-0576-88517329
National Service of Toxicological Information	-----

### 2.-COMPOSITION/INFORMATION ON INGREDIENTS

Pure substance used in Material drug as treatment of headache, sedative and anticonvulsant.



## PHENIBUT

---

### **3.-HAZARDS IDENTIFICATION**

- |                                      |  |
|--------------------------------------|--|
| 3.1.-Critical hazards to man         | Harmful in contact with skin.<br>Irritating to eyes. |
| 3.2.-Critical hazards to environment | Not known to be hazardous to water.                  |

### **4.-FIRST AID MEASURES**

- |                   |   |
|-------------------|---|
| 4.1.-General      | Symptoms of poisoning may ever occur after several hours; therefore provide medical observation for at least 48 hours after the accident. |
| 4.2.-Inhalation   | Supply fresh air; consult doctor in case of complaints.   |
| 4.3.-Skin Contact | Immediately wash with water and soap and rinse thoroughly.  |
| 4.4.-Eye Contact  | Rinse opened eye for 15 minutes under running water. Then consult a doctor.   |
| 4.5.-Ingestion    | Immediately call a doctor.<br>Show this label.  |

### **5.-FIRE FIGHTING MEASURES**

- |  |   |
|--|---|
| 5.1.-Suitable extinguishing media                                  | CO2, extinguishing powder or water spray.<br>Fight larger fires with water or alcohol resistant foam. |
| 5.2.-Extinguishing media which must not be used for safety reasons | Not applicable.   |
| 5.3.-Special exposure hazards                                      | Emits toxic fumes under fire conditions.  |
| 5.4.-Special protective equipment for firefighters                 | Wear self-contained respiratory protective device. Wear fully protective suit.                        |

## PHENIBUT

---

### **6.-ACCIDENTAL RELEASE MEASURES**

6.1.-Personal precautions

Wear protective equipment.  
Keep unprotected person away.

6.2.-Environmental precautions

---

6.3.-Methods for cleaning up

Ensure adequate ventilation.  
Dispose of the collected material according to regulations  
Wipe up with damp sponge or mop.  
Immediately remove all soiled and contaminated clothing.

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

7.1.-Handling

Prevent formation of dust.  
Ensure good ventilation / exhaustion at the work place.  
Wash hands before breaks and at the end of work.  
Avoid contact with the eyes and skin.

7.2.-Storage

Preserved in tight ,light –resistant container, Avoid excessive moistly

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

8.1.-Specific control parameters

Engineering measures

Refer to section 7.1

Limit values

Not found.

Biological standards

Not found.

8.2.-Adequate equipment to provide suitable protection



## PHENIBUT

---

Respiratory protection	Use an approved respirator.
Hand protection	Chemical resistant gloves.
Eye protection	Safety tightly sealed goggles.
Skin protection	Protect exposed skin.
8.3.-Specific hygiene measures	Keep away from foodstuffs, beverages and feed.

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

9.1.-Appearance	White crystalline powder
9.2.-Odour	Characteristic.
9.3.-pH	2.3-2.7
9.4.-Boiling point/boiling range	Not found.
9.5.-Melting point/melting range	194-202°C
9.6.-Flash point	Not found.
9.7.-Flammability	Not found.
9.8.-Autoflammability	Not found.
9.9.-Explosive properties	Product does not present an explosion hazard.
9.10.-Oxidizing properties	Not applicable.
9.11.-Vapour pressure	Not found.
9.12.-Relative density	Not found.
9.13.-Solubility	Soluble in water and 95% ethanol
9.14.-Partition Coefficient	Not found.
9.15.-Other data	---

### **10.-STABILITY AND REACTIVITY**

Stable

## PHENIBUT

10.1.-Conditions to avoid	No decomposition if used according to specifications.
10.2.-Materials to avoid	Oxidizers
10.3.-Hazardous decomposition products	
Presence of stabilizers	Not applicable
Need of stabilizers	Not applicable
Dangerous products of decomposition	Poisonous gases/vapors
Safety significance of a change in physical appearance	Not found
Hazardous decomposition products formed upon contact with water	Not applicable
Possibility of degradation to unstable products	No dangerous reactions known.

### **11.-TOXICOLOGICAL INFORMATION**

11.1.-Dangerous-to-health effects/symptoms By inhalation	Irritant to mucous membranes.
By skin contact	Irritant. Harmful. Possible sensitization through skin contact.
By eye contact	Irritating effect.

11.2.-Immediate/chronic effects from short and long term exposure  
 People with known or suspected allergies to antibiotics should use appropriate safety precautions when handling.  
 People that are allergic to antibiotics may experience eye, skin and respiratory irritation.  
 RTECS n°: VB1993650

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

12.1.-Possible effects, behaviour and environmental fate of substance



## PHENIBUT

---

Mobility	Not found.
Persistence and degradability	Not found.
Bioaccumulative potential	Not found.
Aquatic toxicity and other data relating to ecotoxicity	Not found.
Other information	The ecological effects have not been thoroughly investigated, and currently none have been identified.

### **13.-DISPOSAL CONSIDERATIONS**

13.1.-Information on safe handling residues	Refer to sections 7.1 and 8.2
13.2.-Methods for disposal product	Disposal must be made according to state and local regulations.
13.3.-Methods for disposal contaminated packaging	Disposal must be made according to state and local regulations.

### **14.-TRANSPORT INFORMATION**

14.1.-Special precautions	Not applicable.
14.2.-United Nations Recommendation or international agreements on the transport and packaging of dangerous goods	Not applicable.

### **15.-REGULATORY INFORMATION**

Symbol: Xn (harmful)

R Phrases: 21 Harmful in contact with skin.  
36 Irritating to eyes.

S Phrases: 7 Keep away from food, drink and animal feeding stuffs.  
15 Keep away from heat.

### **16.-OTHER INFORMATION**



## PHENIBUT

---

The data contained herein are based on the information currently available to us and believed to be accurate and reliable. Users should make their own investigations to determine the suitability of the information for their purpose. Nothing contained herein is intended as permission, inducement or recommendation to violate any laws or to practice any invention covered by existing patents.

Prepared by: Guiyou Zhang	Approved by: Jufang Zhou
To Substitute: June 15, 2005	Substituted by: