



地址：内蒙古巴彦淖尔市杭锦后旗陕坝镇西郊街

Address: Xijiao street, Shanba Town, Hangjinhou banner, Bayannaer City, Inner Mongolia Autonomous Region

Tel: 0551-64219588 Fax:0551-65684132 网址: Http://www.huahengbio.com

## SAFETY DATA SHEETS

### 1. Identification

#### 1.1. GHS Product identifier

Product name L-Valine

#### 1.2. Other means of identification

Product number -

Other names H-VAL-OH; Val

#### 1.3. Recommended use of the chemical and restrictions on use

Identified uses Feed additives -> Flavoring Agents

Uses advised against no data available

#### 1.4. Supplier's details

Company Bayannur Huaheng Biotechnology Co.,Ltd

Address Xijiao street,Shanba Town, Hangjinhou banner, Bayannur City, Inner Mongolia Autonomous Region, CHINA

Telephone 0551-641219588

Fax 0551-65684132

#### 1.5. Emergency phone number

Emergency phone number 0551-641219588

Service hours Monday to Friday, 9am-5pm (Standard time zone: UTC/GMT +8 hours).

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### 2. Hazard identification

#### 2.1. Classification of the substance or mixture

Not classified.

#### 2.2. GHS label elements, including precautionary statements

Pictogram(s) No symbol.

Signal word No signal word

Hazard statement(s) none

Precautionary statement(s)

Prevention none

Response none

Storage none



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**Storage** none

### 2.3. Other hazards which do not result in classification

no data available

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## 3. Composition/information on ingredients

### 3.1. Substances

Chemical name	Common names and synonyms	CAS number	EC number	Concentration
L-Valine	L-Valine	72-18-4	200-773-6	98%

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## 4. First-aid measures

### 4.1. Description of necessary first-aid measures

#### General advice

Medical attention is required. Consult a doctor. Show this safety data sheet (SDS) to the doctor in attendance.

#### If inhaled

Move the victim into fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration and consult a doctor immediately. Do not use mouth to mouth resuscitation if the victim ingested or inhaled the chemical.

#### Following skin contact

Take off contaminated clothing immediately. Wash off with soap and plenty of water. Consult a doctor.

#### Following eye contact

Rinse with pure water for at least 15 minutes. Consult a doctor.

#### Following ingestion

Rinse mouth with water. Do not induce vomiting. Never give anything by mouth to an unconscious person. Call a doctor or Poison Control Center immediately.

### 4.2. Most important symptoms/effects, acute and delayed

no data available

### 4.3. Indication of immediate medical attention and special treatment needed, if necessary

Immediate first aid: Ensure that adequate decontamination has been carried out. If patient is not breathing, start artificial respiration, preferably with a demand valve resuscitator, bag-valve-mask device, or pocket mask, as trained. Perform CPR if



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necessary. Immediately flush contaminated eyes with gently flowing water. Do not induce vomiting. If vomiting occurs, lean patient forward or place on the left side (head-down position, if possible) to maintain an open airway and prevent aspiration. Keep patient quiet and maintain normal body temperature. Obtain medical attention. Poisons A and B

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## **5. Fire-fighting measures**

### **5.1. Extinguishing media**

#### **Suitable extinguishing media**

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

### **5.2. Specific hazards arising from the chemical**

no data available

### **5.3. Special protective actions for fire-fighters**

Wear self-contained breathing apparatus for firefighting if necessary.

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## **6. Accidental release measures**

### **6.1. Personal precautions, protective equipment and emergency procedures**

Avoid dust formation. Avoid breathing mist, gas or vapours. Avoid contacting with skin and eye. Use personal protective equipment. Wear chemical impermeable gloves. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.

### **6.2. Environmental precautions**

Prevent further spillage or leakage if it is safe to do so. Do not let the chemical enter drains. Discharge into the environment must be avoided.

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

Collect and arrange disposal. Keep the chemical in suitable and closed containers for disposal. Remove all sources of ignition. Use spark-proof tools and explosion-proof equipment. Adhered or collected material should be promptly disposed of, in accordance with appropriate laws and regulations.

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## **7. Handling and storage**

### **7.1. Precautions for safe handling**



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Handling in a well ventilated place. Wear suitable protective clothing. Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Use non-sparking tools. Prevent fire caused by electrostatic discharge steam.

## 7.2. Conditions for safe storage, including any incompatibilities

Store the container tightly closed in a dry, cool and well-ventilated place. Store apart from foodstuff containers or incompatible materials.

## 8. Exposure controls/personal protection

### 8.1. Control parameters

#### Occupational Exposure limit values

<b>Component</b>	Valine			
<b>CAS No.</b>	72-18-4			
	<b>Limit value - Eight hours</b>		<b>Limit value - Short term</b>	
	<b>ppm</b>	<b>mg/m3</b>	<b>ppm</b>	<b>mg/m3</b>
<b>Latvia</b>		5		
	<b>Remarks</b>			

### 8.2. Appropriate engineering controls

Ensure adequate ventilation. Handle in accordance with good industrial hygiene and safety practice. Set up emergency exits and the risk-elimination area.

### 8.3. Individual protection measures, such as personal protective equipment (PPE)

#### Eye/face protection

Wear tightly fitting safety goggles with side-shields conforming to EN 166(EU) or NIOSH (US).

#### Skin protection

Wear fire/flare resistant and impervious clothing. Handle with gloves. Gloves must be inspected prior to use. Wash and dry hands. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

#### Respiratory protection

If the exposure limits are exceeded, irritation or other symptoms are experienced, use a full-face respirator.

#### Thermal hazards

no data available



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## 9. Physical and chemical properties

<b>Physical state</b>	Solid. Crystalline.
<b>Colour</b>	White.
<b>Odour</b>	no data available
<b>Melting point/ freezing point</b>	> 295 - < 315 °C. Atm. press.:Ca. 1 013 hPa.
<b>Boiling point or initial boiling point and boiling range</b>	234°C/1mmHg(lit.)
<b>Flammability</b>	no data available
<b>Lower and upper explosion limit / flammability limit</b>	no data available
<b>Flash point</b>	225°C(lit.)
<b>Auto-ignition temperature</b>	Remarks:The substance did not show to be auto-flammable.
<b>Decomposition temperature</b>	no data available
<b>pH</b>	no data available
<b>Kinematic viscosity</b>	no data available
<b>Solubility</b>	In water: 88.5 g/L. Temperature:25 °C. pH:Ca. 7.
<b>Partition coefficient n-octanol/water</b>	log Pow = -2.26. Temperature:20 °C. Remarks:This value recommended by LOGKOW Database provided by Sangster Research Laboratories, Canada.
<b>Vapour pressure</b>	0 mm Hg. Temperature:25 °C.
<b>Density and/or relative density</b>	1.23. Temperature:20 °C.
<b>Relative vapour density</b>	no data available
<b>Particle characteristics</b>	no data available

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## 10. Stability and reactivity

### 10.1. Reactivity

no data available

### 10.2. Chemical stability



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no data available

### 10.3. Possibility of hazardous reactions

no data available

### 10.4. Conditions to avoid

no data available

### 10.5. Incompatible materials

no data available

### 10.6. Hazardous decomposition products

When heated to decomposition, it emits toxic fumes of /nitric oxides/.

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## 11. Toxicological information

### Acute toxicity

- Oral: LD50 - rat (female) - > 2 000 mg/kg bw.
- Inhalation: LC50 - rat (male/female) - > 5 260 mg/m<sup>3</sup> air (analytical).
- Dermal: no data available

### Skin corrosion/irritation

no data available

### Serious eye damage/irritation

no data available

### Respiratory or skin sensitization

no data available

### Germ cell mutagenicity

no data available

### Carcinogenicity

no data available

### Reproductive toxicity

no data available

### STOT-single exposure

no data available

### STOT-repeated exposure

no data available

### Aspiration hazard

no data available

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## 12. Ecological information



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## 12.1. Toxicity

- Toxicity to fish: LC50 - Danio rerio (previous name: Brachydanio rerio) - > 10 g/L - 96 h.
- Toxicity to daphnia and other aquatic invertebrates: EC50 - Daphnia magna - > 10 g/L - 24 h.
- Toxicity to algae: EC50 - ca. 2 651 mg/L.
- Toxicity to microorganisms: EC10 - Pseudomonas putida - > 9.9 g/kg - 16 h.  
Remarks: Expressed by optical density (OD).

## 12.2. Persistence and degradability

no data available

## 12.3. Bioaccumulative potential

no data available

## 12.4. Mobility in soil

no data available

## 12.5. Other adverse effects

no data available

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# 13. Disposal considerations

## 13.1. Disposal methods

### Product

The material can be disposed of by removal to a licensed chemical destruction plant or by controlled incineration with flue gas scrubbing. Do not contaminate water, foodstuffs, feed or seed by storage or disposal. Do not discharge to sewer systems.

### Contaminated packaging

Containers can be triply rinsed (or equivalent) and offered for recycling or reconditioning. Alternatively, the packaging can be punctured to make it unusable for other purposes and then be disposed of in a sanitary landfill. Controlled incineration with flue gas scrubbing is possible for combustible packaging materials.

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# 14. Transport information

## 14.1. UN Number

ADR/RID: Not  
dangerous goods.

IMDG: Not dangerous  
goods. (For reference only,

IATA: Not dangerous  
goods. (For reference only,



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(For reference only, please check.) please check.)  
please check.)

#### 14.2. UN Proper Shipping Name

ADR/RID: Not dangerous goods. (For reference only, please check.)  
IMDG: Not dangerous goods. (For reference only, please check.)  
IATA: Not dangerous goods. (For reference only, please check.)

#### 14.3. Transport hazard class(es)

ADR/RID: Not dangerous goods. (For reference only, please check.)  
IMDG: Not dangerous goods. (For reference only, please check.)  
IATA: Not dangerous goods. (For reference only, please check.)

#### 14.4. Packing group, if applicable

ADR/RID: Not dangerous goods. (For reference only, please check.)  
IMDG: Not dangerous goods. (For reference only, please check.)  
IATA: Not dangerous goods. (For reference only, please check.)

#### 14.5. Environmental hazards

ADR/RID: No IMDG: No IATA: No

#### 14.6. Special precautions for user

no data available

#### 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

no data available

### 15. Regulatory information

#### 15.1. Safety, health and environmental regulations specific for the product in question

Chemical name	Common names and	CAS number	EC number
Valine	Valine	72-18-4	200-773-6
European Inventory of Existing Commercial Chemical Substances (EINECS)			Listed.
EC Inventory			Listed.
United States Toxic Substances Control Act (TSCA)			Listed.



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<b>Inventory</b>	
<b>China Catalog of Hazardous chemicals 2015</b>	Not Listed.
<b>New Zealand Inventory of Chemicals (NZIoC)</b>	Listed.
<b>Philippines Inventory of Chemicals and Chemical Substances (PICCS)</b>	Listed.
<b>Vietnam National Chemical Inventory</b>	Listed.
<b>Chinese Chemical Inventory of Existing Chemical Substances (China IECSC)</b>	Listed.
<b>Korea Existing Chemicals List (KECL)</b>	Listed.

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## 16. Other Information

References: Not available.

Other Special Considerations: Not available. Created: 10/10/2015

Last Updated: 08/12/2022

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