



CJ (SHEN YANG) BIOTECH CO., LTD.

Head Office :

#38 YUNONG ROAD SHENBEI NEW DISTRICT

SHENYANG, LIAONING, CHINA

Tel. : (024) 31410001

Fax : (024) 31410108

Shenyang, February 28, 2019

MATERIAL SAFETY DATA SHEET

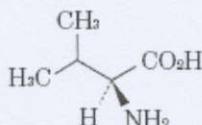
L-VALINE

1. Substance / preparation and company name

Product : L-Valine Feed Grade
Manufacturer : CJ (SHENYANG) BIOTECH CO., LTD.
#38 Yunong Road, Shenbei New District,
Shenyang, Liaoning, CHINA.
Emergency Phone : (024) 31410001

2. Composition / information on ingredients

Composition : L-Valine 96.5% min. (on an as is basis)
98.0 % min. (on a dry matter basis)
Chemical Family : Amino Acid (Essential)
Formula : C₅H₁₁NO₂
Molecular Weight : 117.15
Structure Formula :



3. Possible hazard

No extraordinary risks for humans and environment

4. First aid measures

General recommendation : Avoid contact



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<i>After inhalation</i>	: Remove individual to fresh air
<i>After skin contact</i>	: Wash area thoroughly with soap and water
<i>After eye contact</i>	: Wash eye with water for 15 minutes
<i>After swallowing</i>	: Drink large amounts of water

5. Fire fighting measures

<i>Flash point</i>	: 284°C
<i>Auto ignition Temperature</i>	: N/A
<i>Flammable limit in air</i>	: None Flammable
<i>Extinguishing Media</i>	: Water
<i>Special Fire Fighting Procedure</i>	: Should wear protective clothing and respiratory protection
<i>Unusual Fire and Explosion Hazard</i>	: Not a fire hazard

6. Accidental release measures

<i>Method of cleaning up</i>	: Wash area with water. Avoid high pressure rinsing
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7. Handling & storage

<i>Handling</i>	: Recommended to wear glove and face mask if excessive handling is necessary
<i>Storage</i>	: Recommended to be stored in clean and dry condition, under ambient temperature, sheltered from sunlight and avoid from harmful substances
<i>Work place</i>	: Keep clean.

8. Exposure control and personal protection

<i>Precautionary measures</i>	: Give adequate ventilation to the premises where the product is stored and/or handled.
<i>Respiratory protection</i>	: Not needed for normal use.



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<i>Protection or hands</i>	: Not needed for normal use.
<i>Eye protection</i>	: Not needed for normal use.
<i>Protection for skin</i>	: No special precaution must be adopted for normal use.

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

<i>Bulk Density</i>	: 0.400 ~ 0.600 g/ml
<i>Appearance and Odor</i>	: Whitish to Yellowish powder
<i>Solubility in Water</i>	: 5.3g ~ 5.7g/100g water (20°C)
<i>Percent Volatile</i>	: N/A
<i>Evaporation Rate</i>	: N/A
<i>Melting point</i>	: 298°C

9.2 Other information

<i>MIE Value</i>	: 10 < MIE < 30 mJ (20°C)
<i>Classification</i>	: Normal Combustibility
<i>Method</i>	: ASTM E2019
<i>Median Particle size</i>	: 252 µm

10. Stability and reactivity

<i>Stability</i>	: Stable if stored in dry conditions in sealed or closed containers
<i>Conditions to avoid</i>	: Heating to decomposition, Light
<i>Substances to avoid</i>	: Strong oxidizers
<i>Hazardous reaction</i>	: None

11. Toxicology

<i>Eyes</i>	: May cause slight eye irritation
<i>Skin</i>	: May cause slight skin irritation

12. Ecology

<i>Degradability</i>	: High bio degradable
<i>Bio accumulation</i>	: No



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Toxicology

: Not toxic for wild animals and plants

13. Eliminations and considerations

Recover if possible. In so doing, comply with the local and national regulations currently in force

14. Transports information

Proper delivering name : L – Valine

Proper delivering condition : Stored in closed and sealed container

Means of transportation : Sea : By ship

Air : By aeroplane

Packaging : 25 kg net with Three in one paper plastic composite bag

25 kg net with Three-ply kraft paper bag and one ply PE

500kg P.P Woven Bag with PE Laminated

800kg P.P Woven Bag with PE Laminated

15. Regulatory information

Not hazardous according to Directive 67/548/EEC.

88/379/EEC (Classification and Labelling):

The preparation should not be considered as dangerous accordingly to dir. 88/379/EEC.

Where applicable, refer to the following regulatory provisions:

Directive 82/501/EEC (Activities linked to risks of serious accidents) and subsequent amendments.

16. Other information

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality. It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended. This SDS cancels and replaces any preceding release.