



黑龙江伊品生物科技有限公司
HEILONGJIANG EPPEN BIOTECH CO., LTD

L-THREONINE

1. Product Identification

Product Name L-THREONINE FEED GRADE 98.5%
Manufacturer: HEILONGJIANG EPPEN BIOTECH CO., LTD.
Registration No.: 1500FA014
Address: DELIGEER INDUSTRIAL PARK, DUERBET MONGOLIAN
AUTONOMOUS COUNTY, DAQING CITY, HEILONGJIANG
PROVINCE, 166200, P.R. CHINA **Tel.:** +86-459-8886624 **Web.:**
www.eppen.com.cn

2. Composition/Information on Ingredients

CAS#	Chemical Name	Percent	EINECS/ELINCS
72-19-5	L- THREONINE	100%	200-774-1

Hazard Symbols: None listed.

Risk Phrases: None listed.

3. Hazards Identification

EMERGENCY OVERVIEW

Appearance: white granule. The toxicological properties of this material have not been fully investigated.

Target Organs: None known.

Potential Health Effects Eye:

May cause eye irritation.

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Skin: May cause skin irritation.
Ingestion: Expected to be a low ingestion hazard.
Inhalation: May cause respiratory tract irritation.
Chronic: Not available.

4. First Aid Measures

Eyes: Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids.
Skin: Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.
Ingestion: Get medical aid. Wash mouth out with water.
Inhalation: Remove from exposure and move to fresh air immediately.
Notes to Physician: Treat symptomatically and supportively.

5. Fire Fighting Measures

General Information: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.
Extinguishing Media: Use water spray, dry chemical, carbon dioxide, or chemical foam.
Flash Point: Not applicable.
Autoignition Temperature: Not applicable.
Explosion Limits, Lower: Not available.
Upper: Not available.
NFPA Rating: Not published.

6. Accidental Release Measures

General Information: Use proper personal protective equipment as indicated in Section 8.
Spills/Leaks: Vacuum or sweep up material and place into a suitable disposal container.

7. Handling and Storage

Handling: Avoid breathing dust, vapor, mist, or gas. Avoid contact with skin and eyes.
Storage: Store in a cool, dry place. Store in a tightly closed container.

8. Exposure Controls, Personal Protection

Engineering Controls: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

Exposure Limits

Chemical Name	ACGIH	NIOSH	OSHA - Final PELs
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L- THREONINE	none listed	none listed	none listed
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OSHA Vacated PELs: L- THREONINE: No OSHA Vacated PELs are listed for this chemical.

Personal Protective Equipment

Eyes: Wear chemical goggles.

Skin: Wear appropriate protective gloves to prevent skin exposure.

Clothing: Wear a chemical apron.

Respirators: A NIOSH/MSHA approved air purifying dust or mist respirator or European Standard EN 149.

9. Physical and Chemical Properties

Physical State: crystal granule.

Appearance: light brown

Odor: Practically odorless.

pH: 5.72(100g/l H₂O 20°C)

Vapor Pressure: Not available.

Vapor Density: Not available.

Evaporation Rate: Not available.

Viscosity: Not available.

Boiling Point: Not available.

Freezing/Melting Point: 263-264 deg C

Decomposition Temperature: > 240 deg C

Solubility: Soluble in water: 649.5 g/l (20°C)

Specific Gravity/Density: Not available.

Molecular Formula: C₄H₉NO₃

Molecular Weight: 119.12

10. Stability and Reactivity

Chemical Stability: Stable under normal temperatures and pressures.

Conditions to Avoid: Incompatible materials.

Incompatibilities with Other Materials: Strong oxidizing agents.

Hazardous Decomposition Products: Hydrogen chloride, nitrogen oxides, carbon monoxide, carbon dioxide.

Hazardous Polymerization: Will not occur.

11. Toxicological Information

RTECS#:

CAS# 72-19-5

LD50/LC50:

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CAS# 72-19-5:

Oral, rat: LD50 = 10 gm/kg;<BR.

Carcinogenicity:

CAS# 72-19-5: Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA.

12. Ecological Information

Ecotoxicity: No data available. Product is a form of the natural amino acid L-Lysine and can therefore be degraded microbiologically.

Environmental: No information available.

Physical: No information available.

Other: No information available.

13. Disposal Considerations

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

RCRA P-Series: None listed.

RCRA U-Series: None listed.

14. Transport Information

Shipping Name:	US DOT	IATA	RID/ADR	IMO	Canada TDG
Hazard Class:	No information available.				No information available.
UN Number:					
Packing Group:					
IMDG/IMO:	not regulated				

15. Regulatory Information

US FEDERAL

TSCA

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CAS# 72-19-5 is listed on the TSCA inventory.

Health & Safety Reporting List

None of the chemicals are on the Health & Safety Reporting List.

Chemical Test Rules

None of the chemicals in this product are under a Chemical Test Rule.

Section 12b

None of the chemicals are listed under TSCA Section 12b.

TSCA Significant New Use Rule

None of the chemicals in this material have a SNUR under TSCA.

SARA

CERCLA Hazardous Substances and corresponding RQs

None of the chemicals in this material have an RQ.

SARA Section 302 Extremely Hazardous Substances

None of the chemicals in this product have a TPQ.

Section 313

No chemicals are reportable under Section 313.

Clean Air Act:

This material does not contain any hazardous air pollutants. This material does not contain any Class 1 Ozone depleters. This material does not contain any Class 2 Ozone depleters.

Clean Water Act:

None of the chemicals in this product are listed as Hazardous Substances under the CWA. None of the chemicals in this product are listed as Priority Pollutants under the CWA. None of the chemicals in this product are listed as Toxic Pollutants under the CWA.

OSHA:

None of the chemicals in this product are considered highly hazardous by OSHA.

STATE

CAS# 72-19-5 is not present on state lists from CA, PA, MN, MA, FL, or NJ.

California No Significant Risk Level: None of the chemicals in this product are listed.

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols:

Not available.

Risk Phrases:

Safety Phrases:

WGK (Water Danger/Protection)

CAS# 72-19-5: 0

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Canada - DSL/NDL

CAS# 72-19-5 is listed on Canada's DSL List.

Canada - WHMIS

This product has a WHMIS classification of Not controlled.

Canadian Ingredient Disclosure List

Exposure Limits

16. Other Information

Product Use: feed stuff

Revision Information:

Jan. 2026

Disclaimer:

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PRODUCT INFORMATION

1. PRODUCT NAME: L-THREONINE

2. Qualitative and quantitative composition(100g)

L-Threonine:98.5g

Moist:0.1g

Residue on Ignition:0.5g

3. OBJECTS: Used for all animal species.

4. Appearance: white crystal granule.

5. EFFICIENCY: The function of the product is to adjust the balance of amino acid in feed, promote growth, improve meat quality and the nutritive value of feed raw material whose amino acid digestion rate is low, produce the feed with low protein content; and is good for economizing the protein resources, cutting down the material costs.

6. RECOMMENDED USE DIRECTIONS: The product should be added to animal feed at normal temperatures. Reference volume:

Dosage: Poultry0.5-3...kg/ton of feed

Swine .. 0.5-3.. .kg/ton of feed

Cattle ... 0.5-3....kg/ton of feed

Fish, Shrimp ... 0.5-3....kg/ton of feed

7. STORAGE: Stored in a cool dry place.

8. Appearance and Character

It is white or hazel, crystallization or Crystalline Powder, slightly sweet taste.

9. Shelf Life: 3 Years

10. ATTENTION: Anti-rain and sun

PACKAGE: 25k paper bag or 600, 800, 900kg plastic bag

11. COMPANY: HEILONGJIANG EPPEN BIOTECH CO., LTD.

12. Levels of guarantee: The products are analytical by the third party SGS.

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