



# Qingdao Bright Honor Biotechnology Co., Ltd

Address: Huangdao District, Qingdao City, Shandong Province, China (formerly Unit 2, Building1, No. 3, Yinshatan Road, Development Zone, Room 1303)

Email: [hanyu@organic-green.cn](mailto:hanyu@organic-green.cn) Tel: +86-15610512127

## Technical Data Sheet

### Product Overview

**Product Name:** Liquid Nitrogen Fertilizer

**Model:** Standard Grade

**Uses:** Provides essential nitrogen nutrient for crops to promote healthy growth and increase yield.

**Application Fields:** Agriculture, horticulture, and greenhouse farming.

### Physical Properties

- **Color:** Colorless and transparent
- **Odor:** Odorless
- **Density:** Approximately 1.13 g/mL (typical for liquid nitrogen fertilizer solutions)
- **Melting Point:** Not applicable (liquid solution)
- **Boiling Point:** Not applicable (liquid solution)

### Chemical Properties

- **Chemical Composition:** Total Nitrogen 42% (w/v)
- **Molecular Structure:** Nitrogen in ammonium nitrate or urea form dissolved in solution
- **Molecular Weight:** Dependent on nitrogen source compound
- **Reactivity:** Stable under normal conditions, reacts with acids and bases

### Performance Indicators

This liquid fertilizer is designed for high nitrogen availability and easy absorption by plants. It does not have traditional mechanical properties such as hardness or wear resistance.

**Corrosion Resistance:** Non-corrosive to common agricultural equipment when used properly.

### Stability

- **Shelf Life:** 5 years from the date of production when stored properly
- **Storage Conditions:** Store in a cool, dry, and well-ventilated place away from direct sunlight
- **Temperature & Light Impact:** Avoid freezing and high temperatures; protect from strong light exposure

### Solubility

Completely soluble in water, forming a uniform transparent solution suitable for foliar feeding and soil application.

### pH Value

The pH value of a 250 times diluted solution is 7, indicating a neutral solution suitable for most crops.

### Viscosity



## Qingdao Bright Honor Biotechnology Co., Ltd

Address: Huangdao District, Qingdao City, Shandong Province, China (formerly Unit 2, Building1, No. 3, Yinshatan Road, Development Zone, Room 1303)

Email: [hanyu@organic-green.cn](mailto:hanyu@organic-green.cn) Tel: +86-15610512127

Low viscosity liquid with excellent flowability, allowing easy handling and application through standard agricultural spraying equipment.

### Safety Information

- **Toxicity:** Non-toxic when used as directed
- **Corrosiveness:** Non-corrosive to skin and equipment under normal use
- **Flammability:** Non-flammable

### Usage Instructions

**Application Method:** Dilute as recommended and apply via foliar spray or soil drench according to crop needs.

**Precautions:** Avoid contact with eyes and prolonged skin exposure. Use protective gloves and eyewear during handling.

**Safety Measures:** Store out of reach of children. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice if irritation persists.



Handwritten signature/initials.



# Qingdao Bright Honor Biotechnology Co., Ltd

Address: Huangdao District, Qingdao City, Shandong Province, China (formerly Unit 2, Building1, No. 3, Yinshatan Road, Development Zone, Room 1303)

Email: [hanyu@organic-green.cn](mailto:hanyu@organic-green.cn) Tel: +86-15610512127

## Material Safety Data Sheet (MSDS)

### Product Identification

**Product Name:** Liquid Nitrogen Fertilizer

**Batch Number:** 20250701

**Production Date:** July 1, 2025

**Analysis Date:** July 1, 2025

**Valid Until:** July 1, 2030

### Manufacturer Information

**Company:** Qingdao Bright Honor Biotechnology Co., Ltd.

**Address:** Huangdao District, Qingdao City, Shandong Province, China (formerly Unit 2, Building 1, No. 3, Yinshatan Road, Development Zone, Room 1303)

**Contact:** Hanyu +8615610512127

### Composition and Information on Ingredients

Component	Content	CAS Number	Remarks
Total Nitrogen	42% (w/v)	Ammonium nitrate or urea (varies)	Active nutrient
Chloride (Cl)	None	---	Not detected
Sodium (Na)	None	---	Not detected

### Hazards Identification

- Non-flammable liquid.
- Non-toxic under normal use conditions.
- May cause mild irritation if contact with eyes occurs.
- Not classified as hazardous according to standard regulations.

### First Aid Measures

- **Inhalation:** Move to fresh air if discomfort occurs. Seek medical attention if symptoms persist.
- **Skin Contact:** Wash with soap and water. Seek medical advice if irritation develops.
- **Eye Contact:** Rinse immediately with plenty of water for at least 15 minutes. Seek medical attention if irritation persists.
- **Ingestion:** Rinse mouth with water. Do not induce vomiting. Seek medical advice if necessary.



# Qingdao Bright Honor Biotechnology Co., Ltd

Address: Huangdao District, Qingdao City, Shandong Province, China (formerly Unit 2, Building1, No. 3, Yinshatan Road, Development Zone, Room 1303)

Email: [hanyu@organic-green.cn](mailto:hanyu@organic-green.cn) Tel: +86-15610512127

## Fire-Fighting Measures

- Non-flammable; use extinguishing media suitable for surrounding fire.
- Wear full protective equipment and self-contained breathing apparatus if necessary.

## Accidental Release Measures

- Wear protective equipment to prevent skin and eye contact.
- Contain spill and prevent entry into waterways.
- Absorb with inert material and dispose according to local regulations.

## Handling and Storage

- Handle with care to avoid spills and contact with skin or eyes.
- Store in a cool, dry, well-ventilated area away from incompatible substances.
- Keep container tightly closed when not in use.

## Exposure Controls / Personal Protection

- **Engineering Controls:** Use adequate ventilation.
- **Personal Protective Equipment:** Gloves, safety goggles, and protective clothing recommended.

## Physical and Chemical Properties

Appearance	Colorless and transparent liquid
Odor	Odorless
pH (250 times dilution)	7 (neutral)
Density	Approximately 1.13 g/mL
Boiling Point	Not applicable (aqueous solution)
Melting Point	Not applicable (aqueous solution)
Flammability	Non-flammable

## Stability and Reactivity

- Stable under normal conditions.
- Avoid contact with strong acids or bases.
- Keep away from heat and direct sunlight.

## Toxicological Information

- Low toxicity; not expected to cause harmful effects under normal use.
- May cause mild irritation to eyes and skin upon prolonged contact.

## Ecological Information

- Biodegradable and low environmental impact when used properly.



## Qingdao Bright Honor Biotechnology Co., Ltd

Address: Huangdao District, Qingdao City, Shandong Province, China (formerly Unit 2, Building1, No. 3, Yinshatan Road, Development Zone, Room 1303)

Email: [hanyu@organic-green.cn](mailto:hanyu@organic-green.cn) Tel: +86-15610512127

- Avoid release into waterways in large quantities.

### Disposal Considerations

- Dispose of in accordance with local, regional, and national regulations.
- Do not dispose into drains or waterways.

### Transport Information

- Not classified as hazardous for transport.
- Transport in sealed containers to prevent leakage.

### Regulatory Information

- Complies with applicable agricultural chemical regulations.
- Not classified as hazardous under OSHA, GHS, or EU regulations.

### Other Information

Prepared by Qingdao Bright Honor Biotechnology Co., Ltd.

Contact: Hanyu +8615610512127

Note: This MSDS is based on current knowledge and is intended to describe the product for safety purposes. It should not be construed as a warranty of any kind.



Handwritten signature/initials.



## Qingdao Bright Honor Biotechnology Co., Ltd

Address: Huangdao District, Qingdao City, Shandong Province, China (formerly Unit 2, Building1, No. 3, Yinshatan Road, Development Zone, Room 1303)

Email: [hanyu@organic-green.cn](mailto:hanyu@organic-green.cn) Tel: +86-15610512127

### Certificate of Analysis (COA)

#### Product Information

**Product Name:** Liquid Nitrogen Fertilizer

**Batch Number:** 20250701

**Date of Production:** July 1, 2025

**Date of Analysis:** July 1, 2025

**Valid Until:** July 1, 2030

#### Manufacturer Information

**Company:** Qingdao Bright Honor Biotechnology Co., Ltd.

**Address:** Huangdao District, Qingdao City, Shandong Province, China (formerly Unit 2, Building 1, No. 3, Yinshatan Road, Development Zone, Room 1303)

**Contact:** Hanyu +8615610512127

#### Analysis Results

Parameter	Specification	Result	Unit
Total Nitrogen (N)	≥ 42%	42%	w/v
Amide Nitrogen	—	18.2%	w/v
Nitrate Nitrogen	—	10.5%	w/v
Ammonium Nitrogen	—	10.5%	w/v
Chloride (Cl)	None Detected	None	—
Sodium (Na)	None Detected	None	—
Color	Colorless and transparent	Colorless and transparent	—
pH (250 times dilution)	~7	7	—

#### Conclusion

The product meets the specified quality standards and is suitable for agricultural use as a liquid nitrogen fertilizer.

#### Authorized Signature

Date: July 1, 2025

