



# 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 (TDS)

**Product Name:** NPK Liquid Fertilizer

**Batch Number:** 20250701

**Production Date:** July 1, 2025

**Analysis Date:** July 1, 2025

**Valid Until:** July 1, 2030

### Manufacturer Information

**Manufacturer:** 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)

**Contact:** Hanyu +8615610512127

### Product Description

NPK Liquid Fertilizer is a high-purity, colorless, and transparent solution, providing balanced nutrition for crops. The product contains no chloride (Cl) or sodium (Na), making it suitable for a wide range of agricultural applications.

### Chemical Composition

Component	Content (% w/v)
Total Nitrogen (N)	10
Phosphorus Pentoxide (P <sub>2</sub> O <sub>5</sub> )	8
Potassium Oxide (K <sub>2</sub> O)	6

**Nitrogen Sources:** Nitrate Nitrogen, Ammonium Nitrogen, Amide Nitrogen

**Nitrogen Source Ratio (Nitrate N : Ammonium N : Amide N):** 1 : 1 : 1.74

### Physical and Chemical Properties

Property	Value
Appearance	Colorless, transparent
Chloride (Cl)	None
Sodium (Na)	None
pH (250 times dilution)	7

### Storage and Shelf Life

Store in a cool, dry place, away from direct sunlight.

**Shelf Life:** 5 years from the production date.

### Safety and Handling

- Use personal protective equipment as required.



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- Avoid contact with eyes and skin.
- In case of contact, rinse immediately with plenty of water.

### Disclaimer

The information provided in this TDS is based on our current knowledge and experience. It is the responsibility of the user to determine the suitability of this product for their specific application.



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## Material Safety Data Sheet (MSDS)

**Product Name:** NPK Liquid Fertilizer

**Batch Number:** 20250701

**Production Date:** July 1, 2025

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### 1. Identification of the Substance/Preparation and Company

**Product Name:** NPK Liquid Fertilizer

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### 2. Composition/Information on Ingredients

Component	Content (% w/v)
Total Nitrogen (N)	10
Phosphorus Pentoxide (P <sub>2</sub> O <sub>5</sub> )	8
Potassium Oxide (K <sub>2</sub> O)	6

**Nitrogen Sources:** Nitrate Nitrogen, Ammonium Nitrogen, Amide Nitrogen

**Nitrogen Source Ratio (Nitrate N : Ammonium N : Amide N):** 1 : 1 : 1.74

**Color:** Colorless and transparent

**Chloride (Cl):** None

**Sodium (Na):** None

**pH (250 times dilution):** 7

### 3. Hazards Identification

- This product is not classified as hazardous under current regulations.
- Avoid ingestion, inhalation, and contact with eyes or skin.

### 4. First Aid Measures

- **Inhalation:** Move to fresh air. Seek medical attention if symptoms persist.
- **Skin contact:** Wash with plenty of water and soap.
- **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.

### 5. Fire-Fighting Measures



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- Non-flammable. Use water spray, foam, dry chemical, or carbon dioxide for surrounding fire.
- Wear protective equipment and self-contained breathing apparatus if necessary.

## 6. Accidental Release Measures

- Contain spillage and collect with non-combustible absorbent material (e.g., sand, earth).
- Dispose of according to local regulations.

## 7. Handling and Storage

- Store in a cool, dry, and well-ventilated area.
- Keep container tightly closed.
- Avoid direct sunlight and freezing.

## 8. Exposure Controls/Personal Protection

- Use personal protective equipment as required.
- Avoid contact with eyes and skin.
- Wash hands thoroughly after handling.

## 9. Physical and Chemical Properties

Property	Value
Appearance	Colorless, transparent liquid
pH (250 times dilution)	7
Chloride (Cl)	None
Sodium (Na)	None

## 10. Stability and Reactivity

- Stable under normal storage and handling conditions.
- Avoid strong acids and bases, and strong oxidizing agents.

## 11. Toxicological Information

- Low toxicity under normal use conditions.
- May cause mild irritation to eyes or skin upon contact.

## 12. Ecological Information

- Not expected to pose significant environmental hazard under normal use.
- Avoid release into waterways and environment.



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### 13. Disposal Considerations

- Dispose of in accordance with local, regional, and national regulations.
- Do not discharge into drains or the environment.

### 14. Transport Information

- Not classified as dangerous goods for transport.
- Keep containers tightly closed and upright during transport.

### 15. Regulatory Information

- This product is not classified as hazardous according to current regulations.

### 16. Other Information

- The information provided in this MSDS is based on our current knowledge and experience.
- It is the responsibility of the user to determine the suitability of this product for their specific application.



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## CERTIFICATE OF ANALYSIS

### PRODUCT INFORMATION

**Product Name:** NPK Liquid Fertilizer

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### COMPOSITION

Parameter	Specification	Unit
Total Nitrogen (N)	10.00%	w/v
- Nitrate Nitrogen	2.67%	w/v
- Ammonium Nitrogen	2.67%	w/v
- Amide Nitrogen	4.66%	w/v
Phosphorus Pentoxide (P <sub>2</sub> O <sub>5</sub> )	8.00%	w/v
Potassium Oxide (K <sub>2</sub> O)	6.00%	w/v

### PHYSICAL PROPERTIES

Parameter	Result
Appearance	Colorless and transparent
pH (250 times dilution)	7.0

### IMPURITIES

Parameter	Result
Chloride (Cl)	None detected
Sodium (Na)	None detected

### MANUFACTURER INFORMATION

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



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This product meets all specified requirements

Quality Control Manager:

Date: July 1, 2025



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