



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 Tel: +86-15610512127

Technical Data Sheet

Potassium Phosphite 0-300-200

Product Overview

Product Name: Potassium Phosphite 0-300-200

Model: 0-300-200

Uses: This product is primarily used as a fertilizer providing phosphorus in the form of phosphite and potassium to plants. It promotes plant health, disease resistance, and nutrient uptake.

Application Fields: Widely applied in agriculture, horticulture, and greenhouse crops for foliar feeding and soil application.

Physical Properties

Appearance: Colorless and transparent liquid

Odor: Odorless

Density: Not specified

Melting Point: Not applicable (liquid solution)

Boiling Point: Not specified

Chemical Properties

Chemical Composition:

Component	Content (g/L)
Total Nitrogen (N)	0
Phosphorous Acid (H ₃ PO ₃)	300
Potassium Oxide (K ₂ O)	200

Molecular Structure: Contains potassium ions and phosphite ions (H₂PO₃⁻).

Molecular Weight: Not applicable as this is a solution mixture.

Reactivity: Stable under normal conditions; reacts with strong oxidizers.

Performance Indicators

High purity with accurate content of phosphite and potassium. Free from nitrogen. Suitable for effective nutrient delivery and plant uptake.

Stability

Shelf Life: Typically 12 months if stored correctly.

Storage Conditions: Store in a cool, dry place away from direct sunlight and extreme temperatures.

Influence Factors: Prolonged exposure to heat or light may degrade product quality.

Solubility



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 Tel: +86-15610512127

Fully soluble in water, forming a clear and stable solution. Excellent dispersibility for foliar and soil applications.

pH Value

pH (250x dilution): 6.0 (near neutral, slightly acidic)

Viscosity

Low viscosity liquid, flows easily suitable for spraying and mixing.

Safety Information

Toxicity: Low toxicity but avoid ingestion and prolonged skin contact.

Corrosiveness: Non-corrosive to skin at recommended dilutions.

Flammability: Non-flammable.

Use personal protective equipment such as gloves and goggles when handling.

Usage Instructions

Application Method: Dilute according to crop requirements. Suitable for foliar spray or soil drench.

Precautions: Avoid mixing with incompatible chemicals such as strong oxidizers. Store out of reach of children.

Safety Measures: Use protective clothing and avoid inhalation of mist. Wash hands after use.



Handwritten signature or 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 Tel: +86-15610512127

Material Safety Data Sheet (MSDS)

Potassium Phosphite 0-300-200

1. Product and Company Identification

Product Name: Potassium Phosphite 0-300-200

Product Type: Liquid Fertilizer

Manufacturer: 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 Person: Hanyu

Contact Phone: +86 15610512127

Batch Number: 20250701

Manufacture Date: July 1, 2025

Analysis Date: July 1, 2025

Expiry Date: July 1, 2030

2. Composition / Information on Ingredients

Component	Content (g/L)
Total Nitrogen (N)	0
Phosphorous Acid (H ₃ PO ₃)	300
Potassium Oxide (K ₂ O)	200

3. Hazards Identification

Emergency Overview: Colorless transparent liquid with no strong odor. Not flammable. Low toxicity under normal handling conditions.

Potential Health Effects:

- **Inhalation:** May cause mild irritation to respiratory tract if inhaled in mist form.
- **Skin Contact:** May cause slight irritation; prolonged contact should be avoided.
- **Eye Contact:** May cause irritation.
- **Ingestion:** Low toxicity but ingestion is not recommended; may cause gastrointestinal discomfort.

4. First Aid Measures

- **Inhalation:** Move to fresh air. Seek medical attention if symptoms persist.
- **Skin Contact:** Wash skin thoroughly with soap and water. Remove contaminated clothing.



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 Tel: +86-15610512127

- **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 symptoms occur.

5. Fire Fighting Measures

Flammability: Non-flammable.

Suitable Extinguishing Media: Use water spray, foam, dry chemical, or carbon dioxide.

Special Protective Equipment: Firefighters should wear self-contained breathing apparatus and protective clothing.

6. Accidental Release Measures

- Wear appropriate personal protective equipment.
- Contain spill to prevent entry into waterways.
- Absorb spill with inert material (e.g., sand, earth) and place into suitable container for disposal.
- Clean area thoroughly with water after material pickup.

7. Handling and Storage

- Handle in well-ventilated area.
- Avoid contact with skin, eyes, and clothing.
- Store in a cool, dry place away from direct sunlight and incompatible substances such as strong oxidizers.
- Keep container tightly closed when not in use.

8. Exposure Controls / Personal Protection

- **Engineering Controls:** Use local exhaust ventilation if necessary.
- **Personal Protective Equipment:**
 - Gloves resistant to chemicals
 - Protective goggles or face shield
 - Protective clothing
 - Respiratory protection if mist or spray is generated

9. Physical and Chemical Properties

Property	Value
Appearance	Colorless transparent liquid
Odor	Odorless



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 Tel: +86-15610512127

pH (250x dilution)	6.0
Density	Not specified
Boiling Point	Not specified
Melting Point	Not applicable
Viscosity	Low viscosity
Solubility	Completely soluble in water

10. Stability and Reactivity

- Stable under recommended storage conditions.
- Avoid contact with strong oxidizing agents.
- Protect from excessive heat and light exposure.

11. Toxicological Information

Low toxicity. No chronic effects known under normal use conditions. Avoid prolonged skin contact and inhalation of mist.

12. Ecological Information

Expected to have low environmental impact when used as directed. Avoid release to waterways in large quantities.

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 hazardous for transport.

15. Regulatory Information

Complies with applicable agricultural chemical regulations.

16. Other Information

This MSDS is based on information available as of the date of preparation. Users should consider local regulations and conditions of use.





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 Tel: +86-15610512127

Certificate of Analysis (COA)

Potassium Phosphite 0-300-200

1. Product Information

Product Name: Potassium Phosphite 0-300-200

Product Type: Liquid Fertilizer

Appearance: Colorless transparent liquid

pH (250x dilution): 6.0

2. Manufacturer Information

Manufacturer: 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 Person: Hanyu

Contact Phone: +86 15610512127

3. Batch Information

Batch Number: 20250701

Manufacture Date: July 1, 2025

Analysis Date: July 1, 2025

Expiry Date: July 1, 2030

4. Analytical Results

Component	Specification	Result	Unit
Total Nitrogen (N)	0	0	g/L
Phosphorous Acid (H3PO3)	300 ± 5%	300	g/L
Potassium Oxide (K2O)	200 ± 5%	200	g/L
Chloride (Cl)	None detected	None detected	
Sodium (Na)	None detected	None detected	
Appearance	Colorless transparent liquid	Colorless transparent liquid	
pH (250x dilution)	5.5 - 6.5	6.0	

5. Remarks

This product conforms to the specifications stated above and is suitable for its intended use as a liquid fertilizer.

BRIGHT HONOR



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 Tel: +86-15610512127

6. Authorized Signature


Qingdao Bright Honor Biotechnology Co., Ltd.
Date: July 1, 2025