



TECHNICAL DATA SHEET

Product Name: Monopotassium Phosphite

CAS No.: 13977-65-6

Molecular Formula: KH_2PO_3

Molecular Weight: 120.08 g/mol

EINECS No.: 237-741-9

EC No.: 604-917-6

1. Product Description

Monopotassium Phosphite is a water-soluble potassium phosphite compound, widely used as a source of phosphorus and potassium in agriculture. It exhibits systemic fungicidal properties and is commonly used to improve plant resistance and health.

2. Typical Specification

Parameter		Specification
Appearance		White crystalline powder
Purity (KH_2PO_3)	≥%	98
Phosphorus (as P_2O_5)	≥%	60
Potassium (as K_2O)	≥%	30
pH (1% solution, 25°C)		4.5-6.5
Moisture	≤%	0.5
Heavy Metals (as Pb)	≤ppm	10
Arsenic (As)	≤ppm	3
Water Solubility		Completely soluble

3. Packaging

25 kg woven bags with PE inner liner

1000 kg jumbo bags upon request

Custom packaging available

4. Applications

As a foliar fertilizer and systemic fungicide in agriculture

Source of phosphorus and potassium for fruits, vegetables, and crops

Enhances plant resistance to stress and disease

Used in drip irrigation and hydroponic systems

5. Storage & Handling

Store in a cool, dry, and well-ventilated area

Avoid contact with moisture and direct sunlight

Keep the packaging tightly closed when not in use

6. Shelf Life

24 months under recommended storage conditions

