

## 1. Identification

**Product Name:** BioPhos Pro Systemic Fungicide

**Synonyms:** FNX-100  
Dipotassium phosphate & Dipotassium phosphonate solution  
DKP & DKPP Solution  
Phosphate and Potassium salt solution

**Product Use:** Inorganic Fertilizer Fungicide

**Manufacturer/Supplier:** Agrisel USA, Inc.

**Address:** PO Box 3528 Suwanee, GA 30024

**Phone:** 770-831-4160

**Emergency contact:** ChemTel 800.255.3924

## 2. Hazard Identification

**Signal Word:** Warning

**Skin Irritation:** DKP and DKPP are considered to be low health hazards but may cause mild irritation.

**Eye Irritation:** Contact with liquid may irritate slightly.

**Acute Toxicity Oral:** Not tested. Components are not considered to be acutely toxic.

**Acute Toxicity Dermal:** No data available

**Hazard Categories:** Oral/Dermal/Inhalation Toxicity

**Hazard Statement:** May be harmful if swallowed.  
May be harmful in contact with skin.  
Causes serious eye irritation.  
Causes mild skin irritation.  
May be harmful if inhaled.



## 3. Composition / Information on Ingredients

**Component:** Blend of Dipotassium Phosphate and Dipotassium Phosphonate

**CAS Number:** Proprietary

**Weight %:** 100.00

#### 4. First Aid Measures

**Eye:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention if irritation persists.

**Skin:** Remove contaminated clothing. Wash skin thoroughly with soap and water. Get medical attention if irritation continues.

**Inhalation:** Move to fresh air. Obtain medical attention if irritation develops.

**Ingestion:** Drink large volumes of water. Call a physician or poison control center.

**Indication of Immediate Medical Attention and Special Treatment Needed:** In the event of an adverse response, treatment should be directed toward control of the symptoms and the clinical condition of the patient.

#### 5. Fire Fighting Measures

**Extinguishing Media:** Non-combustible product. Use extinguishing media for underlying cause of fire.

**Specific Hazards Arising from the Chemical:** Not applicable.

**Special Fire Fight Proc:** Not flammable. Use normal firefighting procedures for surroundings.

#### 6. Accidental Release Measures

**Personal Precautions:** Avoid contact with skin and eyes. Keep unnecessary personnel out of area.

**Protective Equipment:** Rubber gloves – only if allergic.

**Emergency Procedures:** Do not contaminate water supplies, lakes, streams, ponds or drains with spilled product.

**Methods and Materials for Containment and Cleanup:** Contain spill. If uncontaminated, collect and reuse product. If contaminated, absorb on sand or clay and place in a recovery drum for proper disposal.

#### 7. Handling and Storage

**Precautions for Safe Handling:** Do not contaminate water sources by runoff from cleaning of equipment, disposal of equipment wash water or spray waste. Avoid containers, piping or fittings made of copper-containing alloys or galvanized metals.

**Conditions for Safe Storage:** Keep out of reach of children. Do not store with food, feed or other material to be used or consumed by humans or animals. Use within 6 months of purchase date. Store unblended in original containers.

#### 8. Exposure Controls / Personal Protection

**TLV/PEL:** Not established

**Appropriate Engineering Controls:** Local exhaust should be sufficient.

**Personal Protective Equipment:** NIOSH-approved respirator for ammonia gas if mist or spray is present, impervious gloves, splash-proof goggles, impervious apron and footwear. Safety shower and eyewash should be available.

#### 9. Physical and Chemical Properties

**Odor/Appearance:** Clear liquid with no apparent odor.

**Flash Point, °F:** Not flammable

**Boiling Point, °F:** 212 Degrees C.

**Solubility in Water:** Soluble

**Specific Gravity:** 1.1-1.5

**pH:** 6.5-8.1

**Flammable Limits (approximate volume % in air):** Not applicable

**Auto-ignition Temperature:** Not applicable

**Decomposition temperature:** No information found

## 10. Stability and Reactivity

**Reactivity:** No information found

**Chemical Stability:** Stable

**Hazardous Decomposition Products:** None

**Hazardous Polymerization:** Will not occur

**Conditions to Avoid:** No known extreme hazards to avoid.

**Incompatible Materials:** None known

## 11. Toxicological Information

**Acute Toxicity (Oral LD50):** No information found

**Acute Toxicity (Dermal LD50):** No information found

**Acute Toxicity Inhalation LC50:** No information found

**Likely Routes of Exposure:** Skin, eyes, inhalation, mouth

**Skin Irritation:** Prolonged or repeated contact may irritate slightly.

**Eye Irritation:** Liquid contact may irritate slightly. If mist is formed, it may also irritate slightly.

**Skin Sensitization:** No information found

**Carcinogenic:** Not listed by IARC, NTP or OSHA.

**Chronic Effects:** None currently known.

**Other Hazards:** None currently known.

## 12. Ecological Information

**Eco-toxicity:** No information found

**Persistence and Degradability:** No information found

**Bio-accumulative Potential:** No information found

**Mobility in Soil:** No information found

**Other Adverse Effects:** May promote eutrophication in waterways if large spills occur.

## 13. Disposal Considerations

**Waste Disposal Method:** This material must be disposed of according to Federal, State or Local procedures under the Resource Conservation and Recovery Act.

## 14. Transport Information

**UN Proper Shipping Name:** Not regulated by DOT, IATA or IMDG.

**Transport Hazard Class:** None

**UN Identification Number:** None

**Packaging Group:** None

**Environmental Hazards:** No information found

**Transport in Bulk:** No information found

**Special Precautions for Transportation:** No information found

**Freight Classification:** Fertilizing Compound, (Manufactured Fertilizer), Liquid, NOIBN (NMFC Item 68140, Sub 6, Class 70)

## 15. Regulatory Information

**National Fire Protection Association Rating:**

**Health:** 0      **Fire:** 0      **Reactivity:** 0  
Rating Level: (4-Extreme, 3-High, 2-Moderate, 1-Slight, 0-Minimum)



**S.A.R.A Title III Hazard Classification (Yes/No):** N

**Immediate (Acute) Health:** Y

**Delayed (Chronic) Health:** N

**Sudden Release of Pressure:** N

**Fire:** N

**Reactive:** N

## 16. Other Information

**Date of Preparation/Revision:** October 31, 2016

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