

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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