

Material Safety Data Sheet

Effective Date: 20-SEP-2001  
Product: Helena ProPhyt

I. IDENTIFICATION

Chemical Name: Potassium Phosphite  
Chemical Family: Phosphorous acid, salt  
Formula: Not applicable, formulated mixture.  
Synonyms: None  
CAS Number: Not applicable, formulated mixture.  
EPA Number: 42519-22-5905

II. PHYSICAL DATA

Boiling Point: 212 Degrees F.  
Freezing Point: <32 Degrees F.  
Spec Gravity: 1.46-1.47 gms/cc  
Vapor Pressure: Same as Water  
Vapor Density: Same as Water  
Solubility: Miscible  
Volatiles: Not applicable  
Evaporation: Same as Water  
Melting Point: Not applicable  
Appearance: Transparent, blue liquid with no odor.

III. INGREDIENTS

Material	CAS Number	Percent TLV	Hazard
Dipotassium phosphite (CAS No. 13492-26-7) and Monopotassium Phosphite (CAS No. 13977-65-6)		50.00	Mild eye irritant
Inert ingredients, including water		50.00	

IV. FIRE AND EXPLOSION HAZARD

Flash Point: Non-combustible  
Autoignition Temp: Not determined  
Flammable Limit: Not determined  
Extinguishing Media: Non-combustible material. Use extinguishing media for underlying cause of fire.  
Special Fire Fight Proc: Wear positive pressure self-contained breathing apparatus and full protective clothing. Use water spray to keep fire-exposed containers cool.  
Fire and Expl Hazard: Contact with oxidizing materials is hazardous.

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V. HEALTH HAZARD

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Carcinogen Information: Not currently listed.

ACUTE EFFECTS OF OVER EXPOSURE

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Swallowing: Acute oral toxicity for this material has not been determined. Similar materials have an Acute Oral LD50 (rat) > 5,000 mg/kg.

Skin Absorption: Acute dermal toxicity for this material has not been determined. Similar materials have an Acute Dermal LD50 (rat) > 4,000 mg/kg.

Inhalation: Acute inhalation toxicity for this material has not been determined. Similar materials have an Acute Inhalation LC50 (rat) > 5.05 mg/l.

Skin contact: Not a skin irritant or skin sensitizer.

Eye Contact: Mildly irritating upon direct contact with eyes.

Chronic Effects: No long term effects expected.

Other Hazard: None currently known.

EMERGENCY AND FIRST AID PROCEDURES

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Swallowing: Call a poison control center or doctor immediately for treatment advice. Have the person sip a glass of water, if able to swallow. Do not induce vomiting unless instructed to do so by the physician or poison control center.

Skin: Immediately flush affected area with plenty of water for at least 15 minutes. Contact a poison control center or physician for treatment advice.

Inhalation: Remove victim to fresh air and away from exposure. If breathing is difficult or absent, get immediate medical attention.

Eyes: Flush eyes with water for at least 15 minutes, holding eyelids open. Remove contact lenses, if present, after first 5 minutes then continue rinsing. Call a poison control center or doctor for treatment advice.

Notes to Physician: There is no specific antidote for this material. Treatment of overexposure should be directed towards control of the symptoms and the clinical condition of the patient.

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VI. REACTIVITY  
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Stability: Stable  
Conditions to Avoid: Incompatible with oxidizing materials.  
Polymerization: Will Not Occur  
Conditions to Avoid: Incompatible with oxidizing materials.  
Incompatibility material: Oxidizing materials.  
Hazardous Combustion: None currently known.

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VII. SPILL OR LEAK PROCEDURES  
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Spill or Leak Proc: Stop leak if possible. Contain product with an inert diking material, such as clay or sand. Vacuum up as much as possible. Place reclaimed product in a closed and properly labeled recovery drum. Store drum in a separate area awaiting proper disposal. Flush residue with water. Absorb and place in drum with other material. Wash thoroughly after handling.  
Waste Disposal Method: This material must be disposed of according to Federal, State, or Local procedures under the Resource Conservation and Recovery Act.

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VIII. SPECIAL PROTECTION INFORMATION  
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Respiration: None normally required.  
Ventilation: Local exhaust normally sufficient.  
Gloves: Impervious gloves.  
Eyes: Chemical workers' goggles.  
Other: Long sleeve shirt and long pants, shoes plus socks, eyewash station and emergency shower.

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IX. SPECIAL PRECAUTIONS  
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Special precaution: Keep out of reach of children. Do not store with food, feed, or other material to be used or consumed by humans or animals. Do not contaminate water supplies, lakes, streams, or ponds. Store in original container in a cool, dry place. Separate from chlorates, nitrates and other oxidizing materials.  
Other precaution: Do not reuse empty containers. Triple rinse, puncture and landfill empty containers, if allowed by local statutes.

Helena Chemical Company  
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CHEMTREC: 800-424-9300

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X. SHIPPING INFORMATION  
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Shipping name: Not regulated by D.O.T.  
Hazard Class: None  
Identification No: None  
Labels Required: None required  
Placarding: None  
Freight Class: Fungicides, N.O.I., Other than Poison (NMFC  
Item 102120, Class 60)

Chemical Name	Equivalent R.Q.
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Not applicable	Not applicable

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XI. GENERAL PRODUCT INFORMATION  
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National Fire Protection Association Rating:  
(Rating level: 4-Extreme, 3-High, 2-Moderate, 1-Slight, 0-Minimum)

Health: 2                      Fire: 0                      Reactivity: 1

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

Immediate (Acute) Health: Y	Delayed (Chronic) Health: N
Sudden Release of pressure: N	Fire: N
Reactive: N	

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Mail inquiries to: 225 Schilling Blvd., Suite 300 Collierville, TN 38017  
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