

Material Safety Data Sheet

Effective Date: 23-MAY-2007  
Product: REVEILLE

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
Potassium Phosphite (Phosphorous Acid Equivalent - 34.30% or 4.2 lbs./gal.)		54.50	N/E	Mild eye irritant.
Inert ingredients		45.50		Non-hazardous.

IV. FIRE AND EXPLOSION HAZARD

Flash Point: Non-combustible  
Autoignition Temp: Not determined  
Flammable Limit: Not determined  
Extinguishing Media: Non-combustible liquid. Use extinguishing media  
suitable 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.

Material Safety Data Sheet

Effective Date: 23-MAY-2007  
Product: REVEILLE

-----  
V. HEALTH HAZARD  
-----

Carcinogen Information: Not currently listed.

ACUTE EFFECTS OF OVER EXPOSURE  
-----

Swallowing: Acute oral toxicity for this mixture has not been determined. Similar products have an Acute Oral LD50 (rat) > 5,000 mg/kg.  
Skin Absorption: Acute dermal toxicity has not been determined. Similar materials have an Acute Dermal LD50 (rat) > 4,000 mg/kg.  
Inhalation: Acute inhalation toxicity 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  
-----

Swallowing: Call a poison control center or doctor immediately for treatment advice. 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, continuing for at least 15 minutes. Contact a poison control center or physician for treatment advice.  
Inhalation: Move to fresh air and away from exposure. If not breathing or if breathing is difficult, 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.

-----  
VI. REACTIVITY

Material Safety Data Sheet

Effective Date: 23-MAY-2007  
Product: REVEILLE

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

VII. SPILL OR LEAK PROCEDURES

-----  
Spill or Leak Proc: Stop leak if possible. Contain product with an inert diking material, such as clay, sand, earth or sawdust. Collect as much of the free liquids as possible. Place reclaimed material in a closed and properly labeled salvage drum and store in an area awaiting proper disposal. Flush spill area with water. Collect and place in same container with other clean up material.  
Waste Disposal Method: This material must be disposed of according to Federal, State or Local procedures under the Resource Conservation and Recovery Act.  
-----

VIII. SPECIAL PROTECTION INFORMATION

-----  
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.  
-----

IX. SPECIAL PRECAUTIONS

-----  
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 containers in a cool, dry place. Keep separate from chlorates, nitrates and other oxidizing materials.  
Other precaution: Do not reuse empty containers. Triple rinse and puncture empty containers. Then, offer for recycling or landfill, if allowed by local statutes.  
-----

Helena Chemical Company  
PH: 901-761-0050  
CHEMTREC: 800-424-9300

23-MAY-2007 15:44:24  
Page 4 Of 4

Material Safety Data Sheet

Effective Date: 23-MAY-2007  
Product: REVEILLE

-----  
X. SHIPPING INFORMATION  
-----

Shipping name: Not regulated by DOT.  
Hazard Class: None  
Identification No: None  
Labels Required: None required  
Placarding: None  
Freight Class: Fungicide, N.O.I., Other than Poison (NMFC Item  
102120, Class 60)

Chemical Name	Equivalent R.Q.
----- Not applicable	----- Not applicable

-----  
XI. GENERAL PRODUCT INFORMATION  
-----

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	

-----  
Mail inquiries to: 225 Schilling Blvd., Suite 300 Collierville, TN 38017  
Helena Chemical Company believes that the data contained herein is factual.  
This data is not to be taken as a warranty or representation of legal  
responsibility. It is offered solely for your consideration, investigation  
and verification.