

Material Safety Data Sheet

Effective Date: 02-JUN-2006
Product: ELE-MAX SOIL PHOSPHITE 0-0-0

I. IDENTIFICATION

Chemical Name: Concentrated Liquid Solution of Phosphorous
Chemical Family: Inorganic Plant Nutrients
Formula: Not applicable, formulated mixture.
Synonyms: None
CAS Number: Not applicable, formulated mixture.
EPA Number: None required

II. PHYSICAL DATA

Boiling Point: 212 Degrees F.
Freezing Point: < -15 Degrees C.
Spec Gravity: 1.265 gms/cc
Vapor Pressure: Not established
Vapor Density: Not established
Solubility: Miscible
Volatiles: Not established
Evaporation: Not established
Melting Point: > -15 Degrees C.
Appearance: Clear yellow/green liquid, low odor.

III. INGREDIENTS

Material	CAS Number	Percent TLV	Hazard
Proprietary liquid concentrated blend of Phosphorous; derived from phosphorous acid.		100.00 N/E	Skin & eye irritant; very acidic.

IV. FIRE AND EXPLOSION HAZARD

Flash Point: Non-combustible
Autoignition Temp: Not applicable
Flammable Limit: Not applicable
Extinguishing Media: Non-combustible liquid. Use extinguishing media suitable for underlying cause of fire.
Special Fire Fight Proc: Wear self-contained breathing apparatus and full protective equipment. Use water spray to keep fire-exposed containers cool.
Fire and Expl Hazard: May produce hydrogen gas if in contact with certain materials (see Section VI).

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V. HEALTH HAZARD

Carcinogen Information: None currently known.

ACUTE EFFECTS OF OVER EXPOSURE

Swallowing: Excessive ingestion may cause internal irritation by virtue of acidic nature.
Skin Absorption: None currently known.
Inhalation: Inhalation of spray mist may produce irritation of the upper respiratory tract.
Skin contact: Product may produce skin irritation.
Eye Contact: Severe eye irritation may result with contact, due to acidic nature of product.
Chronic Effects: None currently known where the product is used under conditions of good industrial hygiene.
Other Hazard: None currently known.

EMERGENCY AND FIRST AID PROCEDURES

Swallowing: If conscious, give milk or water to drink. Do not induce vomiting. Obtain medical attention immediately.
Skin: Wash skin thoroughly with soap and water. Obtain medical attention if irritation develops. Launder clothing before reuse.
Inhalation: Move to fresh air. Obtain medical attention if irritation develops.
Eyes: Flush eyes with water for 15 minutes, holding eyelids open. Obtain medical attention immediately.
Notes to Physician: In the event of an adverse response, treatment should be directed toward control of the symptoms and the clinical condition of the patient.

VI. REACTIVITY

Stability: Stable
Conditions to Avoid: Extremes of temperature.
Polymerization: Will Not Occur
Conditions to Avoid: None currently known.
Incompatibility material: Caustic soda, chlorates, nitrates, calcium carbide, etc., mild steel, aluminum alloy, brass, tin and galvanized material.
Hazardous Combustion: Will react with metals (see above) with

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evolution of hydrogen giving rise to potentially flammable and explosive mixtures.

VII. SPILL OR LEAK PROCEDURES

Spill or Leak Proc: Contain product and reuse material, if uncontaminated. If contaminated, absorb with an inert absorbent, such as clay or sand, collect and place in plastic containers for proper disposal. Do not contaminate water supplies.
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 needed under normal conditions. Use a mist type canister respirator approved by NIOSH if mist is present.
Ventilation: Local exhaust normally sufficient.
Gloves: Impervious.
Eyes: Splashproof goggles.
Other: Eyewash station, emergency shower, impervious apron and footwear.

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, away from any sources of heat. Avoid freezing. Store away from bases, such as caustic soda, chlorates and nitrates.
Other precaution: RCRA Hazardous Waste Code: D002 (corrosivity)

X. SHIPPING INFORMATION

Shipping name: Corrosive Liquid, n.o.s. (contains Phosphorous Acid), 8, UN1760, PG III "ERG # 154"
Hazard Class: Corrosive (8)
Identification No: UN1760
Labels Required: Corrosive (8)

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Placarding: Corrosive (8)
Freight Class: Compound, Fertilizer (Manufactured Fertilizer),
Liquid, NOIBN (NMFC Item 68140, Sub 6, Class
70)

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
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