

Material Safety Data Sheet

Effective Date: 04-MAR-2009  
Product: ELE-MAX PHOSCAL LC (CORROSIVE)

I. IDENTIFICATION

Chemical Name: Concentrated Liquid N, P and Ca.  
Chemical Family: Inorganic Nutrients  
Formula: Not applicable, formulated mixture.  
Synonyms: None  
CAS Number: Not applicable, formulated mixture.  
EPA Number: None required

II. PHYSICAL DATA

Boiling Point: >100 Degrees C.  
Freezing Point: <0 Degrees C.  
Spec Gravity: 1.312 gms/cc  
Vapor Pressure: Not established  
Vapor Density: Not established  
Solubility: Miscible  
Volatiles: Not established  
Evaporation: Not established  
Melting Point: >0 Degrees C.  
Appearance: Yellow-green liquid with low odor.

III. INGREDIENTS

Material	CAS Number	Percent	TLV	Hazard
Proprietary liquid concentrate of plant nutrients derived from ammonium nitrate, calcium phosphate, ammonium phosphate and phosphoric acid (CAS No. 7664-38-2; 11%).		100.00	N/E	Acidic; skin & eye irritant.

TYPICAL COMPOSITION:  
Total Nitrogen (N): 3.00%  
    2.00% Ammoniacal Nitrogen  
    1.00% Nitrate Nitrogen  
Available Phosphate (P2O5): 23.00%  
Calcium (Ca): 3.00%

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

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Special Fire Fight Proc: suitable for underlying cause of fire.  
Wear self-contained breathing apparatus and full protective equipment. Use water spray to cool fire-exposed containers.

Fire and Expl Hazard: May emit toxic fumes under fire conditions.

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V. HEALTH HAZARD

Carcinogen Information: None currently known.

ACUTE EFFECTS OF OVER EXPOSURE

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Swallowing: Soreness and redness of the mouth and throat may occur if ingested. Nausea and stomach pain may occur.

Skin Absorption: No data available.

Inhalation: Inhalation of spray mists may cause irritation of the throat and upper respiratory tract, including feeling of tightness in the chest.

Skin contact: Redness and irritation at the point of contact may occur.

Eye Contact: Contact with the eyes may cause pain, redness and profuse tearing. Due to the acidic nature of this product, severe pain may occur. Vision may blur and permanent damage may occur.

Chronic Effects: None currently known.

Other Hazard: None currently known.

EMERGENCY AND FIRST AID PROCEDURES

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Swallowing: Wash mouth out with water. Do not induce vomiting. If conscious, give milk or water to drink. Seek medical attention.

Skin: Remove contaminated clothing and wash affected area with plenty of soap and water. Seek medical attention if irritation persists.

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

Eyes: Immediately flush the eyes with water, continuing for at least 15 minutes while holding the eyelids apart. Obtain immediate medical attention.

Notes to Physician: In the event of an adverse response, treatment should be directed toward the control of the symptoms and the clinical condition of the patient. Ingestion may result in irritation of the digestive tract due to the acidic nature

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of this product (pH 1.1).  
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VI. REACTIVITY  
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Stability: Stable

Conditions to Avoid: Avoid exposure to extreme temperatures and heat sources.

Polymerization: Will Not Occur

Conditions to Avoid: None currently known.

Incompatibility material: Avoid contact with strong oxidizing agents, bases and metals.

Hazardous Combustion: May emit toxic fumes under fire conditions.  
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VII. SPILL OR LEAK PROCEDURES  
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Spill or Leak Proc: Contain spilled product. If uncontaminated, collect and reuse. If contaminated, use an inert absorbent, such as clay, sand or sawdust, to collect spilled liquid and then place in suitable plastic containers for proper disposal. Do not contaminate water supplies with spilled product.

Waste Disposal Method: This material must be disposed of in accordance with 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: Use a NIOSH-approved respirator with particle filter.

Ventilation: Local exhaust normally sufficient.

Gloves: Impervious gloves.

Eyes: Splashproof goggles.

Other: Eyewash station, emergency shower, impervious apron and footwear.  
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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 containers away from excessive heat. Do not allow to freeze. Store

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away from bases, e.g., caustic soda, chlorates  
and nitrates.

Other precaution: Do not use the following metals for containers,  
piping or fittings: mild steel, aluminum alloy,  
brass, tin, or galvanized metals. When disposed  
of as a liquid, this material must be  
classified as a D002 RCRA hazardous waste for  
corrosivity (pH = 1.1).

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X. SHIPPING INFORMATION  
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Shipping name: Corrosive Liquid, Acidic, Inorganic, n.o.s.  
(Phosphoric Acid), 8, UN3264, PG III "ERG #  
154"

Hazard Class: Corrosive (8)

Identification No: UN3264

Labels Required: Corrosive (8)

Placarding: Corrosive (8)

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

Chemical Name

Equivalent R.Q.

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Phosphoric Acid (CAS No. 7664-38-2)

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5,000 lbs./4,153 gallons

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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: 1

Reactivity: 1

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

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

Delayed (Chronic) Health: N  
Fire: N

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