

Material Safety Data Sheet

Effective Date: 30-JUL-2002

Product: ELE-MAX SUPER FOLIAR PHOSPHITE 6-40-16

I. IDENTIFICATION

Chemical Name: Concentrated liquid solution of N, P, and K.
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: 1.484 gms/cc
Vapor Pressure: Not established
Vapor Density: Not established
Solubility: Miscible
Volatiles: Not established
Evaporation: Not established
Melting Point: Not applicable
Appearance: Clear yellow-green liquid with low odor.

III. INGREDIENTS

Material	CAS Number	Percent	TLV	Hazard
Ammonia and potassium salts of Phosphorous Acid in Solution		100.00	N/E	Skin & eye irritant; slightly 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 for underlying cause of fire.
Special Fire Fight Proc: Wear self-contained breathing apparatus and full protective clothing. Use water spray to keep fire-exposed containers cool.
Fire and Expl Hazard: May produce phosphoric pentoxide or oxides of nitrogen under fire conditions.

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V. HEALTH HAZARD

Carcinogen Information: None currently known.

ACUTE EFFECTS OF OVER EXPOSURE

Swallowing: Ingestion of large amounts may cause irritation to the gastrointestinal tract due to acidic nature of material.
Skin Absorption: None currently known.
Inhalation: Mist may produce irritation of the upper respiratory tract.
Skin contact: Product may produce skin irritation due to its acidic nature.
Eye Contact: Product may produce severe eye irritation or damage by virtue of its acidic nature.
Chronic Effects: None currently known where good industrial hygiene is practiced.
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 victim to fresh air. If irritation develops, obtain medical attention.
Eyes: Flush eyes with water for at least 15 minutes, holding eyelids open. Obtain immediate medical attention.
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. Product pH is between 6-7; ingestion may result in irritation to the digestive tract.

VI. REACTIVITY

Stability: Stable
Conditions to Avoid: Extremes of temperature.
Polymerization: Will Not Occur
Conditions to Avoid: None currently known.

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Incompatibility material: Caustic soda, chlorates, nitrates, calcium carbide, etc. Mild steel, aluminum alloys, brass, tin, or galvanized metals.

Hazardous Combustion: May react with some metals (see above) to evolve hydrogen, giving rise to potentially flammable or explosive mixtures.

VII. SPILL OR LEAK PROCEDURES

Spill or Leak Proc: Contain spill and reuse material if uncontaminated. If contaminated, use an absorbent such as clay or sand, sweep up, and place in plastic containers for proper disposal. Do not contaminate water supplies, lakes, streams, or ponds.

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. If mist is present, use a mist-type canister or cartridge respirator, approved by NIOSH/MSHA.

Ventilation: Local exhaust normally sufficient.

Gloves: Impervious

Eyes: Splash proof goggles

Other: Eyewash station, 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 excessive heat but, avoid freezing. Store away from bases such as caustic soda, chlorates, and nitrates.

Other precaution: A) RCRA Hazardous Waste Number: Not listed
B) SARA Threshold Planning Quantity: 10,000 pounds
C) CERCLA Reportable Quantity: Not listed
D) 49 CFR 172.102, Appendix A: Not listed
E) 49 CFR 172.102, Appendix B: Not listed

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X. SHIPPING INFORMATION

Shipping name: Not regulated by DOT, IATA, or IMDG.
Hazard Class: None
Identification No: None
Labels Required: None required
Placarding: None
Freight Class: Compound, Fertilizer (Manufactured Fertilizer),
Liquid, NOIBN (NMFC Item 68140, Sub 6, Class
70)

Chemical Name	Equivalent R.Q.
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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: Y	

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