

# ELE-MAX FOLIAR PHOSPHITE 0-28-26

Helena Chemical Company

PH: 1-901-761-0050

CHEMTREC: 1-800-424-9300

Effective Date: 04-10-02

Product: ELE-MAX FOLIAR PHOSPHITE 0-28-26

## I. IDENTIFICATION

**Chemical Name:** Concentrated liquid solution of P and K.

**Chemical Family:** Inorganic plant nutrients.

**Formula:** Not applicable, formulated mixture.

**Synonyms:** None

**CAS Number:** Not applicable, formulated mixture.

**EPA Number:** Not required

## II. PHYSICAL DATA

**Boiling Point:** 212 Degrees F.

**Freezing Point:** < -15 Degrees C.

**Spec Gravity:** 1.454 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 phosphate and soluble potash; derived from potassium hydroxide and phosphorous acid.		100.00	N/D	Product is acidic; Skin & Eye irritant

NOTE: N/D = Not Determined

## 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 equipment. Use water spray to keep fire-exposed containers cool.

**Fire and Expl Hazard:** Product may produce phosphoric pentoxide under fire conditions. May produce hydrogen gas if in contact with certain metals (see Section VI.).

## 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:** Mist may produce irritation of the upper respiratory tract.

**Skin contact:** Product may produce skin irritation by virtue of acidic nature.

**Eye Contact:** Product may produce severe eye irritation by virtue of acidic nature.

**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 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. Ingestion may result in irritation to the digestive tract.

## VI. REACTIVITY

**Stability:** Stable

**Conditions to Avoid:** Extremes of temperatures.

**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, or galvanized material.

**Hazardous Combustion:** Will react with metal (see above) with evolution of hydrogen giving rise to potentially flammable and explosive mixtures.

## VII. SPILL OR LEAK PROCEDURES

**Spill or Leak Proc:** Contain spill and reuse material, if uncontaminated. If contaminated, absorb material with an absorbent, such as clay or sand, 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 condition. If mist is present, use a mist-type canister 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 materials 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 do not allow to freeze. Store away from bases (such as caustic soda), chlorates and nitrates. See Section VI.

**Other precaution:**

A) RCRA Hazardous Waster Number: Not listed

B) SARA Title III, Section 313: Not listed

C) SARA Threshold Planning Quantity: 10,000 lbs.

D) CERCLA Reportable Quantity: Not listed

E) 49 CFR 172.102, Appendix A: Not listed

F) 49 CFR 172.102, Appendix B: Not listed

## X. SHIPPING INFORMATION

**Shipping name:** Not regulated by DOT (highway), IMDG (water), or IATA (air).

**Hazard Class:** None

**Identification No:** None

**Labels Required:** None required

**Placarding:** None required

**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

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