

ELE-MAX SOIL PHOSPHITE 0-40-0

Helena Chemical Company
 PH: 1-901-761-0050
 CHEMTREC: 1-800-424-9300
 Effective Date: 07-15-02
 Product: ELE-MAX SOIL PHOSPHITE 0-40-0

I. IDENTIFICATION

Chemical Name: Concentrated liquid solution of P2O5.
Chemical Family: Inorganic plant nutrient.
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: 1.263 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; derived from phosphoric 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 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 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.

tient. 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, and 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 product 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 conditions. 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 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 do not allow to freeze. Store away from bases (such as caustic soda), chlorates, and nitrates. See Section VI.
Other precaution:
 A) RCRA Hazardous Waste Number: D002, corrosivity (as waste)
 B) SARA Title III, Section 313: Not listed
 C) SARA Threshold Planning Quantity: 10,000 lbs.
 D) CERCLA Reportable Quantity: 5,000 lbs. (phosphoric acid)
 E) 49 CFR 172.102, Appendix A: Hazardous Substances
 F) 49 CFR 172.102, Appendix B: Not listed

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: UN 1760
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.
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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