Safety Data Sheet

1. Identification

Product Name : ELE-MAX SOIL PHOSPHITE 0-60-0 (AZ & CA)
Synonyms : None
Product Use : Soil Nutrient
Manufacturer/Supplier : Helena Chemical Company
Address : 225 Schilling Blvd. Collierville, TN 38017
General Information : 901-761-0050
Transportation Emergency Number : CHEMTREC:800-424-9300

2. Hazard Identification

Signal Word : Danger
Skin Irritation : Causes severe skin burns.
Eye Irritation : Causes serious eye irritation.
Acute Toxicity Oral : Harmful if swallowed.
Acute Toxicity Dermal : May be harmful in contact with skin.

Hazard Categories : Oral/Dermal/Inhalation Toxicity - 4/5/5; Skin Irritation - 1A; Eye Irritation - 2A; Corrosive - 1

Hazard Statement : Harmful if swallowed
May be harmful in contact with skin
Causes severe skin burns and eye damage
May be harmful if inhaled
May be corrosive to metals

3. Composition / Information on Ingredients

Component	CAS Number	Weight %
Plant nutrients derived from Phosphorous Acid. GUARANTEED ANALYSIS: Total Phosphoric Acid (P2O5): 60.00	Proprietary	100.00

4. First Aid Measures

Eye : Hold eyes open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for further treatment advice.
Skin : Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 to 20 minutes. Call a poison control center or doctor for treatment advice.
Inhalation : Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.
Ingestion : Call a poison control center or doctor immediately for treatment advice. Rinse mouth with water. Do not induce vomiting. Do not give anything by mouth if unconscious.
Indication of Immediate Medical Attention and Special Treatment Needed : Treat symptomatically. Ingestion may result in irritation of the digestive tract.

5. Fire Fighting Measures

Extinguishing Media	:	Non-combustible liquid. Use extinguishing media for underlying cause of fire.
Specific Hazards Arising from the Chemical	:	Product may produce phosphoric pentoxide under fire conditions. May produce hydrogen gas if in contact with certain metals (see Section VI.).
Special Fire Fight Proc	:	Wear self-contained breathing apparatus and full protective equipment. Use water spray to keep fire-exposed containers cool.

6. Accidental Release Measures

Personal Precautions	:	Keep unprotected and unnecessary personnel out of spill area.
Protective Equipment	:	Splashproof goggles or face shield, impervious gloves, impervious apron and footwear. Use a mist-type canister respirator approved by NIOSH. Eyewash and emergency shower should be available in work area.
Emergency Procedures	:	Contain product to prevent spreading. Do not contaminate water supplies.
Methods and Materials for Containment and Cleanup	:	Collect 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.

7. Handling and Storage

Precautions for Safe Handling	:	Keep locked up and out of reach of children. Do not contaminate water, food or feed by storage, handling or disposal. Keep container tightly closed. Do not allow water to be introduced into the contents of the container.
Conditions for Safe Storage	:	Store in original container only. Do not store near heat or open flame. Do not store with oxidizing agents, nitrates, calcium carbide, etc.

8. Exposure Controls / Personal Protection

TLV/PEL	:	Not established
Appropriate Engineering Controls	:	Local exhaust normally sufficient.
Personal Protective Equipment	:	Splashproof goggles or face shield, impervious gloves, impervious apron and footwear. Use a mist-type canister respirator approved by NIOSH. Eyewash and emergency shower should be available in work area.

9. Physical and Chemical Properties

Odor/Appearance	:	Clear yellow/green liquid, low odor.
Flash Point, ^{0}F	:	Non-combustible
Boiling Point, ^{0}F	:	212 Degrees F.
Melting Point(Freezing point), ^{0}C	:	<-15 Degrees C.
Vapor Pressure, mm Hg @ 20 ^{0}C	:	Not established
Vapor Density	:	Not established
Solubility in Water	:	Soluble
Molecular Formula	:	Not applicable, formulated mixture.
Density, g/mL @ 25 ^{0}C	:	1.40
Evaporation Rate(Butyl Acetate = 1)	:	Not established
Octanol/Water Partition Coefficient	:	No information found
pH	:	No information found
Flammable Limits (approximate volume % in air)	:	Not applicable
Auto-ignition Temperature	:	Not applicable

Decomposition temperature : No information found

10. Stability and Reactivity

Reactivity : No information found
Chemical Stability : Stable
Hazardous Decomposition Products : Will react with some metals with evolution of hydrogen giving rise to potentially flammable and explosive mixtures.
Hazardous Polymerization : Will not occur
Conditions to Avoid : Extremes of temperature.
Incompatible Materials : Caustic soda, chlorates, nitrates, calcium carbide, etc., mild steel, aluminum alloy, brass, tin, and galvanized material.

11. Toxicological Information

Acute Toxicity (Oral LD50) : 1,895 mg/kg (rat). Swallowing can result in nausea, vomiting, diarrhea, abdominal pain, burns.
Acute Toxicity (Dermal LD50) : No information found. May be harmful in contact with skin.
Acute Toxicity Inhalation LC50 : No LC50 available. Breathing in mists or aerosols may produce respiratory irritation.
Likely Routes of Exposure : Eyes, skin, ingestion
Skin Irritation : Contact with skin will result in severe irritation - corrosive to skin.
Eye Irritation : Severe eye irritant. Corrosive to eyes. Corneal burns can occur. Permanent injury can result.
Skin Sensitization : Not listed as a sensitizer.
Carcinogenic : None currently known.
Chronic Effects : None currently known, where the product is used under condition of good industrial hygiene.
Other Hazards : None currently known.

12. Ecological Information

Ecotoxicity : No information found
Persistence and Degradability : No information found
Bioaccumulative Potential : No information found
Mobility in Soil : No information found
Other Adverse Effects : No information found

13. Disposal Considerations

Waste Disposal Method : This material must be disposed of according to Federal, State, or Local procedures under the Resource Conservation and Recovery Act.

14. Transport Information

UN Proper Shipping Name : Corrosive Liquid, n.o.s. (contains Phosphorous Acid)
Transport Hazard Class : Corrosive (8)
UN Identification Number : UN 1760
Packaging Group : PG III
Environmental Hazards : No information found
Transport in Bulk : No information found

Special Precautions for Transportation : No information found

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

15. Regulatory Information

National Fire Protection Association Rating :

Health: 2 Fire: 0 Reactivity: 1

Rating Level: (4-Extreme, 3-High, 2-Moderate, 1-Slight, 0-Minimum)

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

16. Other Information

Data of Preparation/Revision : 26-May-2015