



Safety Data Sheet

Report Date 24-Mar-15

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1. Identification

Product Name : ELE-MAX PHOSPHITE MAX 0-0-30
Synonyms : None
Product Use : Potassium Phosphite and Kelp
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 : Warning (no symbol required)
Skin Irritation : Causes mild skin irritation
Eye Irritation : Causes eye irritation
Acute Toxicity Oral : May be harmful if swallowed
Acute Toxicity Dermal : May be harmful in contact with skin

Hazard Categories : Eye Irritation - 2B; Skin Irritation - 3; Oral/Dermal/Inhalation Toxicity - 5/5/5

Hazard Statement : May be harmful if swallowed
May be harmful in contact with skin
Causes eye irritation
Causes mild skin irritation
May be harmful if inhaled

3. Composition / Information on Ingredients

Component	CAS Number	Weight %
Blend of plant nutrients derived from potassium phosphite and kelp. This product is obtained when phosphorus acid is neutralized with potassium hydroxide. Contains 4.77 lbs/gal phosphorus acid. Contains no available phosphate as (P2O5). GUARANTEED ANALYSIS: Soluble Potash (K2O): 30.00%	Proprietary	100.00

4. First Aid Measures

Eye : Rinse eye cautiously 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 treatment advice.

Skin : Remove contaminated clothing and wash affected skin with mild soap and water. Obtain medical attention if irritation develops or persists. Launder contaminated clothing before reuse.

Inhalation : Move person to fresh air. If 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 treatment advice.

Ingestion : Immediately call a poison control center or doctor 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.



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5. Fire Fighting Measures

- Extinguishing Media** : Not flammable. Use foam, dry powder, carbon dioxide, water spray or sand to extinguish fires. Do not use a heavy water stream.
- Specific Hazards Arising from the Chemical** : None currently known.
- Special Fire Fight Proc** : Wear self-contained breathing apparatus and full protective clothing. Use water spray or fog to cool fire-exposed containers. Contain fire-fighting water to prevent environmental contamination.

6. Accidental Release Measures

- Personal Precautions** : Keep unprotected and unnecessary personnel out of spill area.
- Protective Equipment** : Splashproof goggles or safety glasses, impervious gloves, protective clothing to avoid exposure. Use NIOSH-approved respiratory protection when needed.
- Emergency Procedures** : Prevent entry of spilled liquids into sewers and public waters.
- Methods and Materials for Containment and Cleanup** : Soak up spills with inert solids, such as clay or diatomaceous earth, as soon as possible. Collect spilled material. Store in proper chemical waste container for later disposal. If uncontaminated, use as recover and use as intended.

7. Handling and Storage

- Precautions for Safe Handling** : Keep container tightly closed. Do not contaminate water sources by cleaning of equipment or disposal or rinse water. Wash hands and other exposed areas with mild soap and water before eating, drinking or using tobacco and before leaving work area. Provide good ventilation to prevent formation of vapor.
- Conditions for Safe Storage** : Keep in original container in a cool, well-ventilated area. Keep away from strong bases, strong acids, sources of ignition and direct sunlight.

8. Exposure Controls / Personal Protection

- TLV/PEL** : No TLV or PEL established for this mixture.
- Appropriate Engineering Controls** : General and/or local exhaust is sufficient.
- Personal Protective Equipment** : Splashproof goggles or safety glasses, impervious gloves, protective clothing to avoid exposure. Use NIOSH-approved respiratory protection when needed.

9. Physical and Chemical Properties

- Odor/Appearance** : Amber liquid with low odor.
- Flash Point, °F** : Not flammable
- Boiling Point, °F** : >212 Degrees F.
- Melting Point(Freezing point), °C** : <32 Degrees F.
- Vapor Pressure, mm Hg @ 20 °C** : Not determined
- Vapor Density** : Not determined
- Solubility in Water** : Soluble
- Molecular Formula** : Not applicable, formulated mixture.
- Density, g/mL @ 25 °C** : 1.600 g/ml
- Evaporation Rate(Butyl Acetate = 1)** : Not determined
- Octanol/Water Partition Coefficient** : No information found
- pH** : 7.5



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Flammable Limits (approximate volume % in air) : Not determined
Auto-ignition Temperature : Not determined
Decomposition temperature : No information found

10. Stability and Reactivity

Reactivity : No information found
Chemical Stability : Stable
Hazardous Decomposition Products : May emit fumes, carbon monoxide and carbon dioxide under fire conditions.
Hazardous Polymerization : Will not occur
Conditions to Avoid : Avoid exposure to direct sunlight. Avoid extremes in temperature.
Incompatible Materials : Avoid strong acids and strong bases.

11. Toxicological Information

Acute Toxicity (Oral LD50) : No information found. May be harmful if swallowed.
Acute Toxicity (Dermal LD50) : No information found. May be harmful in contact with skin.
Acute Toxicity Inhalation LC50 : No information found. May be harmful if inhaled.
Likely Routes of Exposure : Skin and eyes.
Skin Irritation : Causes mild skin irritation.
Eye Irritation : Causes eye irritation.
Skin Sensitization : Not a skin sensitizer
Carcinogenic : Not listed by IARC, NTP or OSHA.
Chronic Effects : No information found
Other Hazards : No information found

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 according to the Resource Conservation and Recovery Act.

14. Transport Information

UN Proper Shipping Name : Not regulated by DOT.
Transport Hazard Class : None
UN Identification Number : None
Packaging Group : None
Environmental Hazards : No information found
Transport in Bulk : No information found
Special Precautions for Transportation : No information found



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

15. Regulatory Information

National Fire Protection Association Rating :

Health: 1 Fire: 0 Reactivity: 0
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 : 24-March-2015