

Material Safety Data Sheet

Effective Date: 22-NOV-2011
Product: ELE-MAX KAYPHOL LC 0-5-32

I. IDENTIFICATION

Chemical Name: Potassium Carbonate and Potassium Phosphate
Chemical Family: Foliar Nutritional Liquid Concentrate
Formula: Not applicable, formulated mixture.
Synonyms: None
CAS Number: Not applicable, formulated mixture.
EPA Number: None required

II. PHYSICAL DATA

Boiling Point: >100 Degrees C.
Freezing Point: <0 Degrees C.
Spec Gravity: 1.555 gms/cc
Vapor Pressure: Not determined
Vapor Density: Not determined
Solubility: Miscible
Volatiles: Not determined
Evaporation: Not determined
Melting Point: >0 Degrees C.
Appearance: Yellow liquid with no odor.

III. INGREDIENTS

Material	CAS Number	Percent	TLV	Hazard
Blend of plant nutrients derived from potassium carbonate and potassium phosphate.		100.00	N/E	Severe skin & eye irritant; alkaline.

GUARANTEED ANALYSIS:
Available Phosphate (P2O5): 5.0%
Soluble Potash (K2O): 32.0%

IV. FIRE AND EXPLOSION HAZARD

Flash Point: Non-combustible
Autoignition Temp: Not determined
Flammable Limit: Not determined
Extinguishing Media: Non-combustible liquid. Use extinguishing media suitable for underlying cause of fire.
Special Fire Fight Proc: Wear self-contained breathing apparatus and full protective clothing. Use water spray to cool containers.
Fire and Expl Hazard: Emits toxic fumes under fire conditions.

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V. HEALTH HAZARD

Carcinogen Information: Not listed by IARC, NTP or OSHA.

ACUTE EFFECTS OF OVER EXPOSURE

Swallowing: If ingested, soreness and redness of the mouth and throat may occur. This product has a high pH (13.5).
Skin Absorption: Not readily absorbed through intact skin.
Inhalation: Irritation of the throat, with a feeling of tightness in the chest, may occur if spray mists are inhaled. Exposure may cause coughing and wheezing.
Skin contact: Irritation and redness of the skin may occur at the contact site.
Eye Contact: Irritation and redness of the eyes may occur with contact. The eyes may water profusely.
Chronic Effects: None currently known.
Other Hazard: None currently known.

EMERGENCY AND FIRST AID PROCEDURES

Swallowing: Wash out mouth with water. Consult a physician.
Skin: Remove all contaminated clothing and footwear immediately, unless materials are stuck to skin. Immediately wash affected areas with soap and water. Seek medical attention.
Inhalation: Move to fresh air, if safe to do so. Seek medical attention.
Eyes: Immediately flush eyes with water, continuing for at least 15 minutes while holding the eyelids apart. Seek 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. This product has a very high pH (13.5).

VI. REACTIVITY

Stability: Stable
Conditions to Avoid: Avoid exposure to excessive heat.
Polymerization: Will Not Occur

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Conditions to Avoid: None currently known.
Incompatibility material: Avoid contact with strong oxidizing agents and strong acids.
Hazardous Combustion: Emits toxic fumes under fire conditions.

VII. SPILL OR LEAK PROCEDURES

Spill or Leak Proc: Isolate spill area to prevent unauthorized personnel access. Absorb spilled liquid onto sand or dry earth. Collect and place in suitable container for proper disposal. Do not discharge spilled liquids into drains, lakes, streams, ponds, rivers or sewers.
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: Use NIOSH-approved air-purifying respirator with particulate filter. In emergencies, use self-contained breathing apparatus.
Ventilation: General and/or local exhaust should be sufficient.
Gloves: Impervious gloves.
Eyes: Splashproof goggles.
Other: Eyewash station, emergency shower, 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, ponds, rivers or drains with this material.
Other precaution: This product has a very high pH (13.5). If disposed of in liquid form, may be regulated as a D002 RCRA hazardous waste due to corrosivity. Consult appropriate regulations for disposal information.

X. SHIPPING INFORMATION

Helena Chemical Company
PH: 901-761-0050
CHEMTREC: 800-424-9300

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Shipping name: Not regulated by DOT.
Hazard Class: None
Identification No: None
Labels Required: None
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: 3 Fire: 1 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	

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