

Material Safety Data Sheet

Effective Date: 27-OCT-2011  
Product: ELE-MAX CALCIUM FL 4-0-0

I. IDENTIFICATION

Chemical Name: Liquid Flowable Calcium  
Chemical Family: Foliar Nutritional  
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: 1.68 gms/cc  
Vapor Pressure: Not established  
Vapor Density: Not established  
Solubility: Miscible  
Volatiles: Not established  
Evaporation: Not established  
Melting Point: <0 Degrees C.  
Appearance: Off white suspension with slight odor.

III. INGREDIENTS

| Material   | CAS Number | Percent | TLV | Hazard                  |
|--|------------|---------|-----|-------------------------|
| Liquid suspension concentrate<br>of plant nutrients derived<br>from Urea and Calcium<br>Carbonate. |            | 100.00  | N/E | Skin & eye<br>irritant. |

GUARANTEED ANALYSIS:  
Total Nitrogen (N): 4.00%  
4.00% Urea Nitrogen  
Calcium (Ca): 23.80%  
Chlorine (Cl), maximum: 0.01%

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

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cool containers.  
Fire and Expl Hazard: May produce toxic fumes under fire conditions.

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V. HEALTH HAZARD

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

ACUTE EFFECTS OF OVER EXPOSURE

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Swallowing: May cause gastric problems if ingested in excessive quantities. The Acute Oral LD50 (rat) > 2,000 mg/kg.  
Skin Absorption: No hazard anticipated.  
Inhalation: Inhalation of spray mist may cause irritation of the upper respiratory tract.  
Skin contact: Irritation may occur after skin contact.  
Eye Contact: Irritation may occur after contact with the eyes.  
Chronic Effects: None currently known.  
Other Hazard: None currently known.

EMERGENCY AND FIRST AID PROCEDURES

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Swallowing: If conscious, give milk or water to drink. Obtain medical attention immediately.  
Skin: Remove contaminated clothing and wash affected areas with soap and water. Seek medical attention if irritation persists.  
Inhalation: Move to fresh air. If irritation persists or develops, seek medical attention.  
Eyes: Flush eyes with water for at least 15 minutes, while holding the eyelids open. Obtain medical attention if irritation develops.  
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.

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VI. REACTIVITY

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Stability: Stable  
Conditions to Avoid: Avoid extremes of temperature.  
Polymerization: Will Not Occur  
Conditions to Avoid: None currently known.  
Incompatibility material: Avoid contact with acids.  
Hazardous Combustion: May produce toxic fumes and/or vapors under

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fire conditions.  
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VII. SPILL OR LEAK PROCEDURES  
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Spill or Leak Proc: Contain spilled product. Collect and reuse liquids if uncontaminated. If contaminated, absorb with an inert material, such as clay or sand, then collect and place in suitable 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  
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Respiration: None needed under normal use conditions. If mist is present, use air-purifying respirator with particulate filter.

Ventilation: Local exhaust normally sufficient.

Gloves: Impervious gloves.

Eyes: Splashproof goggles.

Other: Eyewash station, impervious apron and footwear.

IX. SPECIAL PRECAUTIONS  
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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 or drains with this product. Store in original containers, away from excessive heat. Protect from freezing.

Other precaution: None currently known.

X. SHIPPING INFORMATION  
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Shipping name: Not regulated by DOT, IATA or IMDG.  
Hazard Class: None  
Identification No: None  
Labels Required: None required  
Placarding: None

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Freight Class: Compound, Fertilizer (Manufactured  
Fertilizer), Liquid, NOIBN (NMFC Item 68140,  
Sub 6, Class 70)  
Chemical Name Equivalent R.Q.  
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Not applicable Not applicable

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XI. GENERAL PRODUCT INFORMATION  
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National Fire Protection Association Rating:  
(Rating level: 4-Extreme, 3-High, 2-Moderate, 1-Slight, 0-Minimum)

Health: 1 Fire: 0 Reactivity: 0

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