

Material Safety Data Sheet

Effective Date: 25-OCT-2006
Product: CitriFLO 5-0-0

I. IDENTIFICATION

Chemical Name: Seaweed-based fertilizer
Chemical Family: Foliar Nutritional Formulations
Formula: Not applicable, formulated mixture.
Synonyms: None
CAS Number: Not applicable, formulated mixture.
EPA Number: None required

II. PHYSICAL DATA

Boiling Point: Not determined
Freezing Point: Not determined
Spec Gravity: 1.229 gms/cc
Vapor Pressure: Not applicable
Vapor Density: Not applicable
Solubility: 100%
Volatiles: Not determined
Evaporation: Not determined
Melting Point: Not applicable
Appearance: Brown liquid with slight odor.

III. INGREDIENTS

| Material | CAS Number | Percent | TLV | Hazard |
|---|------------|---------|-----|---|
| Blend of plant nutrients, derived from urea, manganese chloride, zinc chloride and kelp (<i>Ascophyllum nodosum</i>). | | 100.00 | N/E | Moderate to severe skin & eye irritant. |

Guaranteed Analysis:
Total Nitrogen (N): 5.00%
Manganese (Mn): 2.80%
Zinc (Zn): 4.20%

IV. FIRE AND EXPLOSION HAZARD

Flash Point: Non-combustible
Autoignition Temp: Not determined
Flammable Limit: Not applicable
Extinguishing Media: Non-combustible liquid. Use extinguishing agent suitable for underlying cause of fire.
Special Fire Fight Proc: Wear self-contained breathing apparatus and full protective clothing. Provide holding for contaminated fire-fighting water.

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Fire and Expl Hazard: May emit toxic and irritating gases under fire conditions.

V. HEALTH HAZARD

Carcinogen Information: Not listed.

ACUTE EFFECTS OF OVER EXPOSURE

Swallowing: Ingestion may be corrosive to digestive tract. Abdominal pain, vomiting and diarrhea may occur.
Skin Absorption: No effects anticipated due to absorption.
Inhalation: Inhalation of spray mists may be irritating and may be corrosive to respiratory tract and mucous membranes.
Skin contact: May be corrosive with skin contact. Symptoms include burning, prickling sensation and redness.
Eye Contact: May be corrosive to the eyes. Symptoms include a burning sensation, redness and watery eyes.
Chronic Effects: None currently known for this mixture.
Other Hazard: None currently known.

EMERGENCY AND FIRST AID PROCEDURES

Swallowing: Wash out mouth with water. Do not give anything by mouth to drink. Do not induce vomiting. Seek medical attention.
Skin: Immediately wash affected area with soap and water. If irritation persists, seek medical attention.
Inhalation: Move to fresh air. If irritation develops or persists, seek medical attention.
Eyes: Immediately flush eyes with water, continuing for 15 minutes. Seek 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.

VI. REACTIVITY

Stability: Stable
Conditions to Avoid: None currently known.
Polymerization: Will Not Occur

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Conditions to Avoid: None currently known.
Incompatibility material: Avoid storage with flammable products and contact with alkaline materials.
Hazardous Combustion: May release nitrogen oxides and chlorine under fire conditions.

VII. SPILL OR LEAK PROCEDURES

Spill or Leak Proc: Avoid contact with skin and eyes. Dike spilled material to prevent entry into lakes, streams, ponds and storm drains. Collect spilled material using an inert absorbent and place in suitable container for proper disposal. Impacted soils may require removal and disposal.
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: NIOSH-approved dust/mist mask may be needed when spraying.
Ventilation: General or local exhaust normally sufficient.
Gloves: Impervious.
Eyes: Splash goggles.
Other: Eyewash station, emergency shower, coveralls, shoes and socks.

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 with this material. Store in original, closed containers. Avoid temperatures below freezing. Do not stack product more than 2 pallets high.
Other precaution: This mixture has a very low pH. Must be treated as a RCRA hazardous waste (D002) when disposed.

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X. SHIPPING INFORMATION

Shipping name: Not regulated by D.O.T.
Hazard Class: None
Identification No: None
Labels Required: None required
Placarding: None
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: 1 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 | |

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