

Material Safety Data Sheet

Effective Date: 01-MAY-2006
Product: BINARYcq AN

I. IDENTIFICATION

Chemical Name: Blend of Foliar Nutritional Supplements
Chemical Family: Inorganic Liquid Plant Nutrient
Formula: Not applicable, formulated mixture.
Synonyms: None
CAS Number: Not applicable, formulated mixture.
EPA Number: None required.

II. PHYSICAL DATA

Boiling Point: >212 Degrees F.
Freezing Point: <40 Degrees F.
Spec Gravity: 1.165 gms/cc
Vapor Pressure: Not determined
Vapor Density: Not determined
Solubility: Soluble
Volatiles: Not determined
Evaporation: Not determined
Melting Point: Not applicable
Appearance: Brown liquid with organic odor.

III. INGREDIENTS

Material	CAS Number	Percent	TLV	Hazard
Proprietary blend of plant nutrients, derived from urea, potassium hydroxide, ammonium phosphates, phosphoric acid, potassium phosphate, copper sulfate, iron EDTA, manganese sulfate, zinc sulfate and zinc EDTA. The chelating agent is EDTA.		16.74	N/E	Skin & eye irritant.
Active, non-plant food ingredients, Kelp, derived from Ascophyllum nodosum.		14.00	N/E	Non-hazardous
Inert Ingredients		69.26	N/E	Non-hazardous.

Note: Consult label for Guaranteed Analysis.

IV. FIRE AND EXPLOSION HAZARD

Flash Point: Non-combustible
Autoignition Temp: Not applicable

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Flammable Limit: Not applicable
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 keep fire-exposed containers cool.
Fire and Expl Hazard: Under fire conditions, this product may emit nitrogen and carbon oxides.

V. HEALTH HAZARD

Carcinogen Information: None currently known.

ACUTE EFFECTS OF OVER EXPOSURE

Swallowing: Ingestion of large amounts may result in nausea and abdominal cramps.
Skin Absorption: Not readily absorbed with skin contact.
Inhalation: Inhalation of spray mists or vapors may cause irritation to the nose, throat and respiratory tract.
Skin contact: Skin contact may cause irritation.
Eye Contact: May cause eye irritation with direct contact.
Chronic Effects: None currently known.
Other Hazard: None currently known.

EMERGENCY AND FIRST AID PROCEDURES

Swallowing: Dilute by drinking large quantities of water. Induce vomiting. Immediately contact a physician or poison control center for additional treatment instructions.
Skin: Remove contaminated clothing and wash affected area with soap and water. Seek medical treatment if irritation persists.
Inhalation: Move to fresh air. If irritation develops or persists, seek medical treatment.
Eyes: Immediately flush eyes with water for at least 15 minutes, holding eyelids open. Consult a physician if irritation persists or 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.

VI. REACTIVITY

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Stability: Stable
Conditions to Avoid: None currently known.
Polymerization: Will Not Occur
Conditions to Avoid: None currently known.
Incompatibility material: Avoid contact with strong alkaline materials.
Hazardous Combustion: May emit oxides of carbon and nitrogen under fire conditions.

VII. SPILL OR LEAK PROCEDURES

Spill or Leak Proc: Contain product. Reuse product if uncontaminated. If contaminated, absorb with an inert material, such as clay, sand or sawdust, 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

Respiration: If mist or spray is present, use a NIOSH-approved respirator.
Ventilation: Local exhaust sufficient.
Gloves: Impervious.
Eyes: Splashproof goggles.
Other: Eyewash station, 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 or ponds with this product.
Other precaution: Keep container tightly closed when not in use. Do not allow water to be introduced to container contents.

X. SHIPPING INFORMATION

Shipping name: Not regulated by DOT, IATA or IMDG.

Helena Chemical Company
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CHEMTREC: 800-424-9300

01-MAY-2006 14:11:44
Page 4 Of 4

Material Safety Data Sheet

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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.
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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: 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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