

Material Safety Data Sheet

Effective Date: 16-MAY-2006
Product: HYDRA-BLUME 0.5-0-1

I. IDENTIFICATION

Chemical Name: Plant Nutrients plus Humic Acids
Chemical Family: Plant Nutrients
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: 1.20 gms/cc
Vapor Pressure: Not applicable
Vapor Density: Not applicable
Solubility: Soluble
Volatiles: Not determined
Evaporation: Not determined
Melting Point: Not applicable
Appearance: Liquid with nutrient odor.

III. INGREDIENTS

Material	CAS Number	Percent	TLV	Hazard
Inert, non-plant food ingredients (humic acids), derived from leonardite.		4.00	N/E	Non-hazardous.
TYPICAL COMPOSITION:				
Total Nitrogen (N): 0.5%				
Soluble Potash (K2O): 1.0%				
Proprietary blend of plant nutrients, derived from Urea and Potassium Hydroxide.		96.00	N/E	Skin & eye irritant.

IV. FIRE AND EXPLOSION HAZARD

Flash Point: Non-combustible
Autoignition Temp: Not applicable
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. Dike area to prevent

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contamination of water supplies.
Fire and Expl Hazard: May emit toxic and irritating fumes under fire
conditions.

V. HEALTH HAZARD

Carcinogen Information: Not listed.

ACUTE EFFECTS OF OVER EXPOSURE

Swallowing: No Oral LD50 has been determined. If ingested,
may cause stomach disorders, including
cramping, nausea, and diarrhea.
Skin Absorption: No Dermal LD50 has been determined. Not
believed to be an absorption hazard.
Inhalation: No Inhalation LC50 has been determined. May
cause lung congestion and respiratory
irritation if spray mists are inhaled.
Skin contact: May cause skin reddening if not washed off
affected areas after contact.
Eye Contact: May cause mild irritation of eyes with direct
contact.
Chronic Effects: None currently known.
Other Hazard: None currently known.

EMERGENCY AND FIRST AID PROCEDURES

Swallowing: Drink 1 to 2 glasses of water to dilute. Do not
induce vomiting unless instructed to do so by a
physician or poison control center. Seek
medical attention.
Skin: Wash affected area with plenty of soap and
water. If irritation persists, seek medical
attention.
Inhalation: Move to fresh air. If irritation develops or
persists, seek medical attention.
Eyes: Flush eyes with water for at least 15 minutes,
holding eyelids open. If irritation persists,
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. If this material was used in a spray
solution with pesticides, consult the
pesticide labels for treatment advice.

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VI. REACTIVITY

Stability: Stable
Conditions to Avoid: None currently known.
Polymerization: Will Not Occur
Conditions to Avoid: None currently known.
Incompatibility material: Neutralization reaction may occur if exposed to acidic materials.
Hazardous Combustion: May produce oxides of nitrogen or carbon under fire conditions.

VII. SPILL OR LEAK PROCEDURES

Spill or Leak Proc: Contain spilled material to prevent contamination of water supplies, lakes, streams or ponds. Collect free liquids and reuse, if uncontaminated. If contaminated, absorb using an inert material, such as clay, sand or sawdust. Collect and place in suitable container for proper 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: None needed under normal use conditions.
Ventilation: Natural ventilation is usually adequate.
Gloves: Rubber or plastic gloves.
Eyes: Splashproof goggles.
Other: Eyewash station and emergency shower should be available.

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.
Other precaution: None currently known.

X. SHIPPING INFORMATION

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

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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
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: 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	

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