

Material Safety Data Sheet

Effective Date: 17-APR-2012  
Product: HYDRA-HUME (CALIFORNIA)

I. IDENTIFICATION

Chemical Name: Liquid Humic Acids Extract.  
Chemical Family: Inorganic Fertilizer  
Formula: Not applicable, formulated mixture.  
Synonyms: None  
CAS Number: See Ingredient Statement, Section III.  
EPA Number: None Required

II. PHYSICAL DATA

Boiling Point: >100 Degrees C.  
Freezing Point: <27 Degrees F.  
Spec Gravity: 1.049 gms/cc  
Vapor Pressure: Not determined  
Vapor Density: Not determined  
Solubility: 99%  
Volatiles: 0.50%  
Evaporation: Not applicable  
Melting Point: Not applicable  
Appearance: Dark brown/black liquid, ammonia odor.

III. INGREDIENTS

Material	CAS Number	Percent	TLV	Hazard
Proprietary blend of Plant Nutrients derived from Potassium Hydroxide and Phenolic Hydrocarbons (Humic Acids). Typical Composition: Soluble Potash (K2O) - 1.00% Humic Acids - 6.00%		100.00	15 MG/M3	Skin & Eye Irritant

IV. FIRE AND EXPLOSION HAZARD

Flash Point: NA - Aqueous Solution  
Autoignition Temp: Not applicable  
Flammable Limit: Not applicable  
Extinguishing Media: Non-combustible liquid. Use extinguishing  
media for underlying cause of fire.  
Special Fire Fight Proc: Wear self-contained breathing apparatus and  
full protective equipment. Use water spray to  
keep fire-exposed containers cool.

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Fire and Expl Hazard: Product may produce toxic fumes under fire conditions.  
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V. HEALTH HAZARD  
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Carcinogen Information: None currently known.

ACUTE EFFECTS OF OVER EXPOSURE  
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Swallowing: Possible stomach disorders if taken orally.  
No Oral LD50 has been established.  
Skin Absorption: None currently known. No Dermal LD50 has been established.  
Inhalation: If in mist form, may cause slight irritation.  
No Inhalation LC50 has been established.  
Skin contact: Possible skin reddening if not washed off of affected area.  
Eye Contact: This product may cause eye irritation.  
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.  
Induce vomiting. Obtain medical attention if irritation develops.  
Skin: Wash skin thoroughly with soap and water.  
Obtain medical attention if irritation develops.  
Inhalation: Move to fresh air. Obtain medical attention if irritation develops.  
Eyes: Flush eyes with water for 15 minutes, holding 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: None currently known.  
Polymerization: Will Not Occur  
Conditions to Avoid: None currently known.

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Incompatibility material: Neutralization reaction will occur if exposed to acidic materials.  
Hazardous Combustion: At extreme temperatures, CO and oxidation product may be evolved.  
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VII. SPILL OR LEAK PROCEDURES

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Spill or Leak Proc: Contain product, reuse material if uncontaminated. If contaminated, absorb material with an absorbent such as clay or sand, 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.  
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VIII. SPECIAL PROTECTION INFORMATION

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Respiration: None needed under normal conditions.  
Ventilation: Local exhaust sufficient.  
Gloves: Rubber or plastic  
Eyes: Chemical goggles  
Other: Eyewash, shower, impervious apron and footwear.  
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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 or ponds.  
Other precaution: This product does not contain any chemical subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.  
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X. SHIPPING INFORMATION

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Shipping name: Not regulated by DOT, IATA (air), or IMDG (water).  
Hazard Class: None  
Identification No: None  
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Helena Chemical Company  
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Labels Required: None Required  
Placarding: None Required  
Freight Class: Compound, Fertilizer (Manufactured  
Fertilizer), Liquid, NOIBN  
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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