

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.

V. HEALTH HAZARD

Carcinogen Information: None currently known.

ACUTE EFFECTS OF OVER EXPOSURE

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

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.

VI. REACTIVITY

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.

VII. SPILL OR LEAK PROCEDURES

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.

VIII. SPECIAL PROTECTION INFORMATION

Respiration: None needed under normal conditions.
Ventilation: Local exhaust sufficient.
Gloves: Rubber or plastic
Eyes: Chemical goggles
Other: Eyewash, shower, 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.
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.

X. SHIPPING INFORMATION

Shipping name: Not regulated by DOT, IATA (air), or IMDG (water).
Hazard Class: None
Identification No: None

Helena Chemical Company
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CHEMTREC: 800-424-9300

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Labels Required: None Required
Placarding: None Required
Freight Class: Compound, Fertilizer (Manufactured
Fertilizer), Liquid, NOIBN
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

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