

Material Safety Data Sheet

Effective Date: 26-APR-2006  
Product: HYDRA-HUME AN

I. IDENTIFICATION

Chemical Name: Ascophyllum Nodosum/Humic Acids Extract  
Chemical Family: Soil Conditioner  
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: <20 Degrees F.  
Spec Gravity: 1.093 gms/cc  
Vapor Pressure: 570 mm/HG  
Vapor Density: Not determined  
Solubility: 99%  
Volatiles: 0.50%  
Evaporation: Not applicable  
Melting Point: Not applicable  
Appearance: Dark brown liquid, low odor.

III. INGREDIENTS

Material	CAS Number	Percent	TLV	Hazard
Proprietary Blend of Ascophyllum Nodosum & Phenolic Hydrocarbons, and Humic Acids (derived from Leonardite). TYPICAL COMPOSITION: Seaweed Extract: 10.4% Humic Acids: 3.0% Inert Ingredients: 86.6%		100.00	15 MG/M3	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  
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 and 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.  
Incompatibility material: Neutralization reaction will occur if exposed to

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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. 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.  
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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  
Labels Required: None required  
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Helena Chemical Company  
PH: 901-761-0050  
CHEMTREC: 800-424-9300

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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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