

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).		100.00	15 MG/M3	Skin & eye irritant
TYPICAL COMPOSITION:				
Seaweed Extract:		10.4%		
Humic Acids:		3.0%		
Inert Ingredients:		86.6%		

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.

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 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.

VI. REACTIVITY

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.

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. 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: 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
Labels Required: None required

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

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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