

Material Safety Data Sheet

Effective Date: 11-MAR-2005
Product: HYDRA-HUME DG-A

I. IDENTIFICATION

Chemical Name: Humic Acid Extract
Chemical Family: Granular Leonardite Adjuvant
Formula: Not applicable, formulated mixture.
Synonyms: None
CAS Number: Not applicable, formulated mixture.
EPA Number: None required

II. PHYSICAL DATA

Boiling Point: Not applicable
Freezing Point: Not applicable
Spec Gravity: 0.8811 gms/cc
Vapor Pressure: Not applicable
Vapor Density: Not applicable
Solubility: Insoluble
Volatiles: Not applicable
Evaporation: Not applicable
Melting Point: Not determined
Appearance: Dark brown granule, no odor.

III. INGREDIENTS

| Material | CAS Number | Percent | TLV | Hazard |
|---|------------|---------|-------------|------------------------|
| Proprietary Blend of Phenolic Hydrocarbons (Humic Acids). | | 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 solid. 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.
Fire and Expl Hazard: Product may produce toxic fumes under fire conditions.

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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 dust 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.
Incompatibility material: None currently known.
Hazardous Combustion: At extreme temperatures, CO and oxidation product may be evolved.

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VII. SPILL OR LEAK PROCEDURES

Spill or Leak Proc: Contain product and reuse material, if uncontaminated. If contaminated, sweep, shovel or vacuum up 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 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
Placarding: None required
Freight Class: Adhesive, Adjuvant, Spreader or Sticker, Solid, NOIBN (NMFC Item 4610, Class 60)

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11-MAR-2005 09:03:04
Page 4 Of 4

Material Safety Data Sheet

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| 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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