

Material Safety Data Sheet

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

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I. IDENTIFICATION  
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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

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II. PHYSICAL DATA  
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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.

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III. INGREDIENTS  
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Material	CAS Number	Percent	TLV	Hazard
Proprietary Blend of Phenolic Hydrocarbons (Humic Acids).		100.00	15 MG/M3	Skin & eye irritant

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IV. FIRE AND EXPLOSION HAZARD  
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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  
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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 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  
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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.  
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  
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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.

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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 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  
Placarding: None required  
Freight Class: Adhesive, Adjuvant, Spreader or Sticker, Solid, NOIBN (NMFC Item 4610, Class 60)

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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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