

Material Safety Data Sheet

Effective Date: 12-DEC-2006

Product: HYDRA-HUME DG "COATED" IN-FURROW SOIL ADJUVANT

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: Not determined
Vapor Pressure: Not applicable
Vapor Density: Not applicable
Solubility: Insoluble
Volatiles: Not applicable
Evaporation: Not applicable
Melting Point: Not determined
Appearance: Dark brown granules with little or no odor.

III. INGREDIENTS

Material	CAS Number	Percent	TLV	Hazard
Leonardite		70.00	N/E	Skin & eye irritant.
Inert ingredients		30.00	N/E	Non-hazardous.

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 suitable for underlying cause of fire.
Special Fire Fight Proc: Wear self-contained breathing apparatus and full protective clothing.
Fire and Expl Hazard: Product may produce toxic fumes under fire conditions.

V. HEALTH HAZARD

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Carcinogen Information: None currently known.

ACUTE EFFECTS OF OVER EXPOSURE

Swallowing: Possible stomach disorders may occur if taken orally. No Acute Oral LD50 has been established for this mixture.
Skin Absorption: No effects currently known. No Dermal LD50 has been established.
Inhalation: Slight respiratory irritation may occur if dust is generated and inhaled. No Inhalation LC50 established.
Skin contact: Possible skin reddening may occur at contact site if not washed off.
Eye Contact: Eye irritation may occur with contact.
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 or discomfort persists.
Skin: Wash skin thoroughly with soap and water. Obtain medical attention if irritation develops.
Inhalation: Move to fresh air. Obtain medical attention if irritation persists.
Eyes: Flush eyes with water for at least 15 minutes, holding eyelids apart. 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, carbon monoxide and oxidation product may be evolved.

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VII. SPILL OR LEAK PROCEDURES

Spill or Leak Proc: Contain product and reuse, if uncontaminated.
If contaminated, sweep, shovel or vacuum up
spilled granules and place in suitable
container for proper disposal. Do not
contaminate water supplies with this material.
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 gloves.
Eyes: Safety glasses with side shields.
Other: Eyewash station, 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: None currently known.

X. SHIPPING INFORMATION

Shipping name: Not regulated by DOT, IATA or IMDG.
Hazard Class: None
Identification No: None
Labels Required: None required
Placarding: None
Freight Class: Adhesive, Adjuvant, Spreader or Sticker, Solid,
NOIBN (NMFC Item 4610, Class 60)

Chemical Name

Equivalent R.Q.

Not applicable

Not applicable

XI. GENERAL PRODUCT INFORMATION

Helena Chemical Company
PH: 901-761-0050
CHEMTREC: 800-424-9300

12-DEC-2006 15:34:50
Page 4 Of 4

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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
Sudden Release of pressure: N
Reactive: N

Delayed (Chronic) Health: N
Fire: N

Mail inquiries to: 225 Schilling Blvd., Suite 300 Collierville, TN 38017
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