

Material Safety Data Sheet

Effective Date: 17-APR-2012
Product: HYDRA-HUME A

I. IDENTIFICATION

Chemical Name: Not applicable, formulated mixture.
Chemical Family: Liquid Leonardite Adjuvant
Formula: Not applicable, formulated mixture.
Synonyms: None
CAS Number: Not applicable, formulated mixture.
EPA Number: None required

II. PHYSICAL DATA

Boiling Point: >100 Degrees C.
Freezing Point: <27 Degrees F.
Spec Gravity: 1.049 gms/cc
Vapor Pressure: Not determined
Vapor Density: Not determined
Solubility: 99%
Volatiles: 0.50%
Evaporation: Not determined
Melting Point: Not determined
Appearance: Black liquid with amine-like odor.

III. INGREDIENTS

Material	CAS Number	Percent	TLV	Hazard
Humic acids, derived from Leonardite.		12.00	N/E	Mild skin & eye irritant.
Inert ingredients		88.00	N/E	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 suitable 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 generate toxic fumes under fire conditions.

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V. HEALTH HAZARD

Carcinogen Information: None currently known.

ACUTE EFFECTS OF OVER EXPOSURE

Swallowing: Ingestion results in vomiting and abdominal cramps.
Skin Absorption: None currently known.
Inhalation: This product may cause nose and throat irritation.
Skin contact: This product may cause skin irritation with prolonged or repeated contact.
Eye Contact: This product may cause severe eye irritation with direct 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 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 breathing becomes difficult or 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. Ingestion may result in corrosive damage to the respiratory tract.

VI. REACTIVITY

Stability: Stable
Conditions to Avoid: None currently known.
Polymerization: Will Not Occur
Conditions to Avoid: None currently known.
Incompatibility material: Product may react vigorously with alkaline materials.

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Hazardous Combustion: May produce sulfur dioxide under fire conditions.

VII. SPILL OR LEAK PROCEDURES

Spill or Leak Proc: Contain product and reuse, if uncontaminated. If contaminated, absorb with an inert material, such as clay or sand. Collect 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: Impervious.
Eyes: Splashproof goggles.
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 with this material.
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, or IMDG.
Hazard Class: None
Identification No: None
Labels Required: None required
Placarding: None
Freight Class: Adhesive, Adjuvant, Spreader or Sticker,

