



## Safety Data Sheet

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Date 04-Jun-15

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### 1. Identification

**Product Name** : HYDRA-HUME A  
**Synonyms** : None  
**Product Use** : Liquid Leonardite Adjuvant  
**Manufacturer/Supplier** : Helena Chemical Company  
**Address** : 225 Schilling Blvd. Collierville, TN 38017  
**General Information** : 901-761-0050  
**Transportation Emergency Number** : CHEMTREC:800-424-9300

### 2. Hazard Identification



**Signal Word** : Warning  
**Skin Irritation** : May cause skin irritation with prolonged or repeated contact.  
**Eye Irritation** : May cause severe eye irritation with direct contact.  
**Acute Toxicity Oral** : No information found  
**Acute Toxicity Dermal** : No information found  
  
**Hazard Categories** : Oral/Dermal Toxicity-4/4; Eye irritation-2A; Skin irritation-3; Inhalation Toxicity-5  
  
**Hazard Statement** : Harmful if swallowed  
Harmful in contact with skin  
Causes serious eye irritation  
Causes mild skin irritation  
May be harmful if inhaled

### 3. Composition / Information on Ingredients

Component	CAS Number	Weight %
Humic acids, derived from Leonardite.	1415-93-6	12.00
Inert ingredients		88.00

### 4. First Aid Measures

**Eye** : Rinse eyes cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing eye. Immediately call a poison control center or doctor for treatment advice.  
**Skin** : Remove contaminated clothing and wash skin with soap and water. If skin irritation occurs, get medical advice or attention.  
**Inhalation** : Move to fresh air. Obtain medical attention if breathing becomes difficult or irritation develops.  
**Ingestion** : Call a poison control center or doctor if you feel unwell. Rinse mouth with clean water.  
**Indication of Immediate Medical Attention and Special Treatment Needed** : 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 damage to the digestive tract due to mildly alkaline nature of this product.

### 5. Fire Fighting Measures



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- Extinguishing Media** : Non-combustible liquid. Use extinguishing media suitable for underlying cause of fire.
- Specific Hazards Arising from the Chemical** : Product may generate toxic fumes under fire conditions.
- Special Fire Fight Proc** : Wear self-contained breathing apparatus and full protective equipment. Use water spray to keep fire-exposed containers cool.

### 6. Accidental Release Measures

- Personal Precautions** : Wear appropriate personal protective equipment. Keep unnecessary and unprotected personnel away from spill area.
- Protective Equipment** : Impervious gloves, splashproof goggles, impervious apron and footwear. Eyewash station should be available nearby.
- Emergency Procedures** : Do not contaminate water supplies. Dike spill area to prevent spreading.
- Methods and Materials for Containment and Cleanup** : 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.

### 7. Handling and Storage

- Precautions for Safe Handling** : Keep out of reach of children. Do not contaminate water supplies, lakes, streams, ponds or drains.
- Conditions for Safe Storage** : Do not store with food, feed or other material to be used or consumed by humans or animals. Store in original container only. Keep container tightly closed. Do not allow water to be introduced into the contents of the container. Do not store near heat or open flame.

### 8. Exposure Controls / Personal Protection

- TLV/PEL** : No information found
- Appropriate Engineering Controls** : Local exhaust sufficient.
- Personal Protective Equipment** : Impervious gloves, splashproof goggles, impervious apron and footwear. Eyewash station should be available nearby. Respiratory protection not normally needed.

### 9. Physical and Chemical Properties

- Odor/Appearance** : Dark brown liquid with amine-like odor.
- Flash Point, °F** : Not flammable
- Boiling Point, °F** : >100 Degrees C.
- Melting Point(Freezing point), °C** : No information found
- Vapor Pressure, mm Hg @ 20 °C** : Not determined
- Vapor Density** : Not determined
- Solubility in Water** : 99%
- Molecular Formula** : Not applicable, formulated mixture.
- Density, g/mL @ 25 °C** : 1.025-1.050 (8.66 lbs/gal)
- Evaporation Rate(Butyl Acetate = 1)** : Not determined
- Octanol/Water Partition Coefficient** : No information found
- pH** : 9.59-10.98
- Flammable Limits (approximate volume % in air)** : Not applicable
- Auto-ignition Temperature** : Not applicable



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**Decomposition temperature** : No information found

### 10. Stability and Reactivity

**Reactivity** : No information found  
**Chemical Stability** : Stable  
**Hazardous Decomposition** : May produce sulfur dioxide under fire conditions.  
**Products**  
**Hazardous Polymerization** : Will not occur  
**Conditions to Avoid** : None currently known.  
**Incompatible Materials** : Product may react vigorously with acidic and alkaline materials.

### 11. Toxicological Information

**Acute Toxicity (Oral LD50)** : No information found  
**Acute Toxicity (Dermal LD50)** : No information found  
**Acute Toxicity Inhalation LC50** : No information found. May cause nose and throat irritation if inhaled.  
**Likely Routes of Exposure** : No information found  
**Skin Irritation** : May cause skin irritation with prolonged or repeated contact.  
**Eye Irritation** : May cause severe eye irritation with direct contact.  
**Skin Sensitization** : No information found  
**Carcinogenic** : None currently known.  
**Chronic Effects** : None currently known.  
**Other Hazards** : None currently known.

### 12. Ecological Information

**Ecotoxicity** : No information found  
**Persistence and Degradability** : No information found  
**Bioaccumulative Potential** : No information found  
**Mobility in Soil** : No information found  
**Other Adverse Effects** : No information found

### 13. Disposal Considerations

**Waste Disposal Method** : This material must be disposed of according to Federal, State or Local procedures under the Resource Conservation and Recovery Act.

### 14. Transport Information

**UN Proper Shipping Name** : Not regulated by DOT, IATA, or IMDG.  
**Transport Hazard Class** : None  
**UN Identification Number** : None  
**Packaging Group** : None  
**Environmental Hazards** : No information found  
**Transport in Bulk** : No information found  
**Special Precautions for Transportation** : No information found  
**Freight Classification** : Adhesive, Adjuvant, Spreader or Sticker, Liquid, NOIBN (NMFC Item 42652, Class 60)



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### 15. Regulatory Information

National Fire Protection :  
Association Rating

Health: 1 Fire: 0 Reactivity: 0  
Rating Level: (4-Extreme, 3-High, 2-Moderate, 1-Slight, 0-Minimum)

S.A.R.A Title III Hazard :  
Classification (Yes/No)

Immediate( Acute) Health: Y  
Delayed (Chronic) Health: N  
Sudden Release of N  
Pressure:  
Fire: N  
Reactive: N

### 16. Other Information

Data of Preparation/Revision : 04-June-2015