



Safety Data Sheet

Report 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
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 Pressure: N
Fire: N
Reactive: N

16. Other Information

Data of Preparation/Revision : 04-June-2015