



Safety Data Sheet

Report Date 02-May-15

Page 1 of 4

1. Identification

Product Name : HYDRA-HUME DG
Synonyms : None
Product Use : Granular Leonardite Blend
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 (no symbol)
Skin Irritation : May cause slight irritation following prolonged skin contact.
Eye Irritation : May cause slight irritation with redness and tearing.
Acute Toxicity Oral : No data available. May cause slight nausea and intestinal discomfort, such as diarrhea.
Acute Toxicity Dermal : No data available. May be harmful in contact with skin.
Hazard Categories : Oral/Dermal/Inhalation Toxicity - 5/5/5; Eye Irritation - 2B; Skin Irritation - 3
Hazard Statement : May be harmful if swallowed
May be harmful in contact with skin
Causes eye irritation
Causes mild skin irritation
May be harmful if inhaled

3. Composition / Information on Ingredients

Component	CAS Number	Weight %
Humic Acid (derived from Leonardite)	Proprietary	70
Inert ingredients	Proprietary	30

4. First Aid Measures

Eye : Flush eyes with water, while holding the eyelids apart. Get medical attention if irritation occurs.
Skin : Wash skin thoroughly with soap and water. Get medical attention if irritation develops. Remove and launder clothing before reuse.
Inhalation : Remove victim to fresh air. Get medical attention if breathing difficulties develop.
Ingestion : Do not induce vomiting. Rinse mouth with water and give one glass of water to drink. Get medical attention if irritation or symptoms develop.
Indication of Immediate Medical Attention and Special Treatment Needed : Immediate medical attention is not required.

5. Fire Fighting Measures

Extinguishing Media : Use extinguishing media appropriate for surrounding fire. Cool fire exposed containers and structures with water.
Specific Hazards Arising from the Chemical : None known. Hazardous decomposition materials include oxides of carbon and sulfur and unknown materials.
Special Fire Fight Proc : Wear self-contained breathing apparatus and full protective equipment for all fires involving chemicals. Aqueous solutions may cause surfaces to be extremely slippery and cause a slip hazard.



Safety Data Sheet

Report Date 02-May-15

Page 2 of 4

6. Accidental Release Measures

- Personal Precautions** : Evacuate spill area and keep unprotected personnel away. Prevent contact with eyes, skin and clothing. Ventilate area. Wear appropriate protective clothing.
- Protective Equipment** : Impervious rubber or plastic gloves, chemical safety glasses, impervious coveralls, apron and boots. Respiratory protection is not normally needed. A safety shower and eyewash station should be available.
- Emergency Procedures** : Keep non-essential personnel away and isolate spill area. Prevent spill from entering sewers and water courses.
- Methods and Materials for Containment and Cleanup** : Carefully shovel or sweep up spilled material and place in appropriate container. Avoid generating dust.

7. Handling and Storage

- Precautions for Safe Handling** : Prevent contact with eyes, skin and clothing. Do not breathe dust. Wear appropriate protective clothing and equipment. Use with adequate ventilation. Wash thoroughly with soap and water after handling. Keep containers closed when not in use. Do not reuse containers. Empty containers retain product residues which can be hazardous.
- Conditions for Safe Storage** : Store in a cool, dry, well-ventilated area away from bases and other incompatible materials. Keep container tightly closed. Protect from physical damage.

8. Exposure Controls / Personal Protection

- TLV/PEL** : Humic ore - 15 mg/m³ TWA (total dust), 5 mg/m³ TWA (respirable fraction) OSHA PEL.
- Appropriate Engineering Controls** : Use with adequate general or local exhaust ventilation.
- Personal Protective Equipment** : Impervious rubber or plastic gloves, chemical safety glasses, impervious coveralls, apron and boots. Respiratory protection is not normally needed. A safety shower and eyewash station should be available.

9. Physical and Chemical Properties

- Odor/Appearance** : Dark brown, granule with no odor.
- Flash Point, °F** : >300 Degrees F.
- Boiling Point, °F** : Not determined
- Melting Point(Freezing point), °C** : 572 Degrees F.
- Vapor Pressure, mm Hg @ 20 °C** : Not determined
- Vapor Density** : Not determined
- Solubility in Water** : Insoluble in water
- Molecular Formula** : Not applicable, formulated mixture.
- Density, g/mL @ 25 °C** : 0.064
- Evaporation Rate(Butyl Acetate = 1)** : Not determined
- Octanol/Water Partition Coefficient** : Not determined
- pH** : 3-4 (humic ore)
- Flammable Limits (approximate volume % in air)** : Not applicable
- Auto-ignition Temperature** : Not applicable
- Decomposition temperature** : Not determined



Safety Data Sheet

Report Date 02-May-15

Page 3 of 4

10. Stability and Reactivity

- Reactivity** : Not normally reactive.
- Chemical Stability** : Stable
- Hazardous Decomposition Products** : Decomposition may release oxides of carbon and sulfur and unknown materials.
- Hazardous Polymerization** : Will not occur
- Conditions to Avoid** : None known
- Incompatible Materials** : Strong bases, strong oxidizing agents and alkalis.

11. Toxicological Information

- Acute Toxicity (Oral LD50)** : No data available. May cause slight nausea and intestinal discomfort, such as diarrhea.
- Acute Toxicity (Dermal LD50)** : No data available. May be harmful in contact with skin.
- Acute Toxicity Inhalation LC50** : No data available. May be harmful if inhaled.
- Likely Routes of Exposure** : Skin and eyes
- Skin Irritation** : May cause slight irritation following prolonged contact with skin.
- Eye Irritation** : May cause slight irritation with redness and tearing.
- Skin Sensitization** : This material is not known to cause sensitization.
- Carcinogenic** : Not listed by IARC, NTP or OSHA.
- Chronic Effects** : None known
- Other Hazards** : None known

12. Ecological Information

- Ecotoxicity** : No data available.
- Persistence and Degradability** : No data available.
- Bioaccumulative Potential** : No data available.
- Mobility in Soil** : No data available.
- Other Adverse Effects** : None known.

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** : Fertilizing Compound, (Manufactured Fertilizer), Solid, NOIBN (NMFC Item 68140, Sub 5, Class 50)



Safety Data Sheet

Report Date **02-May-15**

Page 4 of 4

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

16. Other Information

Data of Preparation/Revision : 02-May-2015