

Material Safety Data Sheet

Effective Date: 25-APR-2006  
Product: HYDRA-HUME PLUS

I. IDENTIFICATION

Chemical Name: NOT APPLICABLE, FORMULATED MIXTURE.  
Chemical Family: INORGANIC FERTILIZER  
Formula: NOT APPLICABLE, FORMULATED MIXTURE.  
Synonyms: NONE  
CAS Number: SEE INGREDIENT STATEMENT, SECTION III.  
EPA Number: NONE REQUIRED

II. PHYSICAL DATA

Boiling Point: >100 DEGREES C.  
Freezing Point: <20 DEGREES F.  
Spec Gravity: 1.093 GMS/CC  
Vapor Pressure: NOT DETERMINED  
Vapor Density: NOT DETERMINED  
Solubility: 99%  
Volatiles: 0.50%  
Evaporation: NOT DETERMINED  
Melting Point: NOT APPLICABLE  
Appearance: BLACK LIQUID, AMINE ODOR.

III. INGREDIENTS

Material	CAS Number	Percent	TLV	Hazard
Proprietary Blend of Molasses & Phenolic Hydrocarbons (Humic Acids derived from Leonardite). Typical Composition: Humic Acids: 1.0% Molasses: 25.0% Inert Ingredients: 74.0%		100.00	15 MG/M3	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 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.

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Fire and Expl Hazard: PRODUCT MAY PRODUCE TOXIC FUMES UNDER FIRE  
CONDITIONS.  
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V. HEALTH HAZARD  
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Carcinogen Information: NONE CURRENTLY KNOWN.

ACUTE EFFECTS OF OVER EXPOSURE  
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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.  
Eye Contact: THIS PRODUCT MAY CAUSE EYE IRRITATION.  
Chronic Effects: NONE CURRENTLY KNOWN.  
Other Hazard: NONE CURRENTLY KNOWN.

EMERGENCY AND FIRST AID PROCEDURES  
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Swallowing: IF CONSCIOUS, GIVE MILK OR WATER TO DRINK,  
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  
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. INGESTION MAY RESULT IN CORROSIVE  
DAMAGE TO THE DIGESTIVE TRACT.

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VI. REACTIVITY  
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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.  
Hazardous Combustion: SULPHUR DIOXIDE UNDER FIRE CONDITIONS.

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VII. SPILL OR LEAK PROCEDURES  
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Spill or Leak Proc: CONTAIN PRODUCT, REUSE MATERIAL IF UNCONTAMINATED. IF CONTAMINATED, ABSORB MATERIAL WITH AN ABSORBENT SUCH AS CLAY OR SAND 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.

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VIII. SPECIAL PROTECTION INFORMATION  
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Respiration: NONE NEEDED UNDER NORMAL CONDITIONS.  
Ventilation: LOCAL EXHAUST SUFFICIENT.  
Gloves: IMPERVIOUS  
Eyes: SPLASH PROOF GOGGLES.  
Other: EYE WASH STATION, IMPERVIOUS APRON AND FOOTWEAR.

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IX. SPECIAL PRECAUTIONS  
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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: 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.

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X. SHIPPING INFORMATION  
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Shipping name: NOT REGULATED BY DOT, IATA (AIR), IMDG (WATER).  
Hazard Class: NONE  
Identification No: NONE  
Labels Required: NONE REQUIRED  
Placarding: NONE REQUIRED  
Freight Class: COMPOUND, FERTILIZER (MANUFACTURED FERTILIZER)

Helena Chemical Company  
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CHEMTREC: 800-424-9300

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LIQUID, NOIBN  
Chemical Name Equivalent R.Q.  
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NOT APPLICABLE NOT APPLICABLE

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XI. GENERAL PRODUCT INFORMATION  
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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 Delayed (Chronic) Health: N  
Sudden Release of pressure: N Fire: N  
Reactive: N

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