

Material Safety Data Sheet

MSDS No.: HA - 1

Contact Number: 979-596-1723

Affiliated Minerals, Inc.
17430 State Highway 36 South
Somerville, TX 77879

Medical Emergency No.: 979-596-1723
Preparation Date: 04/28/09
Supersedes: 3/14/05

This MSDS complies with 29CFR1910.1200 (Hazard Communication Standard)

Product Name: HumaGrowTM

1. Product and Company Description

Affiliated Minerals, Inc.
17430 SH 36 S.
P.O. Box 249
Somerville, Texas 77879

For Product Information/Emergency:
979-596-1723

Chemical Synonym/Formula:
Organic Soil Additive

2. Hazards Identification

Emergency Overview

Appearance/Odor: Black liquid with no odor

Potential Health Effects:

Acute Eye:

May cause severe eye irritation.

Acute Skin:

None determined.

Acute Inhalation:

Not an expected route of entry as no vapors are generated.

Acute ingestion:

In certain sensitive individuals, vomiting and abdominal cramps can result if swallowed.

Chronic Exposure:

Not determined

Aggravation of Pre-existing Conditions:

Not determined

3. Chemical Composition

Proprietary Blend of Plant Nutrients containing:

Component	CAS#	%Composition
Leonardite	NA	99
Potassium Hydroxide	1310-58-3	1

4. First Aid Measures

First Aid Measures for Accidental:

Eye Exposure:

Immediately flush eyes with copious amounts of water. If irritation develops, SEEK MEDICAL ATTENTION.

Skin Exposure:

If irritation develops, wash with soap and water. If irritation persists seek medical attention.

Inhalation:

None required as no vapors are formed.

Ingestion:

Give large quantities of water or milk and induce vomiting. Seek medical attention.

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5. Fire Fighting Measures**Fire Hazard Data:**

Autoignition:	N/A, product does not burn
Flash Point:	N/A
Flammability Limits (vol/vol%):	Lower – N/A; Upper – N/A
Extinguishing Media:	Use extinguishing media suitable for surrounding fire

Special Fire Fighting Procedures: Firefighters should wear self-contained breathing apparatus and full protective equipment. Use water spray to keep fire exposed containers cool.

Unusual Fire and Explosion Hazards: Product may produce toxic fumes under fire conditions.

6. Accidental Release Measures

Cleanup and Disposal of Spill: May dilute with fresh water or pick up using absorbent material and place in a suitable container for disposal. Discard any product, residue, disposable container or liner in full compliance with federal, state, and local regulations.

7. Handling and Storage

Handling/Storage: Keep in a tightly closed container, stored in a cool, dry, well ventilated area. Keep out of the reach of children. Do not store with food, feed or other material to be used or consumed by humans or animals.

8. Exposure Controls / Personal Protection

Exposure Guidelines:	ACGIH	NIOSH	OSHA-PELs
Component			
Leonardite	ND	ND	ND
Potassium Hydroxide	2 mg/m ³ Ceiling	ND	2 mg/m ³ Ceiling

Hazardous Decomposition Products: None

Hazardous Polymerization: Will not occur.

9. Physical and Chemical Properties

Physical Appearance:	Black liquid
Odor:	ND
pH:	ND
Specific Gravity:	1.04
Water Solubility:	Soluble
Melting Point:	N/A
Freezing Point:	<20°F
Boiling Point:	>100°C
Vapor Pressure:	ND
Density:	N/A
Percent Volatiles by Volume:	None
Evaporation Rate:	ND
Viscosity:	ND
Density:	ND

10. Stability and Reactivity

Chemical Stability: Stable

Conditions to Avoid: None

Materials / Chemicals to Be Avoided: None

Hazardous Decomposition Products: None
Hazardous Polymerization: Will not occur.

11. Toxicological Information

Acute Effects

For Potassium Hydroxide: Oral rat LD50: 273 mg/kg; Investigated as a mutagen. Skin Irritation Data (std Draize, 50 mg/24 H): Human, Severe; Rabbit, Severe. Eye Irritation Data(Rabbit, non-std test, 1 mg/24 H, rinse): Moderate.

Chronic Effects

Carcinogenicity: No data
 Mutagenicity: No data
 Reproductive Effects: No Data
 Developmental Effects: No Data

12. Ecological Information

Environmental Fate: No information found.
Environmental Toxicity: No information found.

13. Disposal Considerations

Waste Disposal Method: Whatever cannot be saved for recovery may be disposed in a standard landfill. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

14. Transportation Information

U. S. Department of Transportation Shipping Names:

Hazard Class: Not Regulated
 ID Number: Not Regulated
 Packing Group: Not Regulated

15. Regulatory Information

Federal Regulations:

For Potassium Hydroxide:

SARA Title III Hazard Classes:

Fire Hazard: No
 Reactive Hazard: No
 Release of Pressure: No
 Acute Health Hazard: Yes
 Chronic Health Hazard: No

TSCA

All components of this product are on the TSCA inventory or are exempt from TSCA Inventory requirements

Other Regulations: DOT Class 85

16. Other Information

National Paint & Coating Hazardous Materials Identification System – HMIS(R):
 Health Hazard – 0; Flammability – 0; Reactivity – 0