

MATERIAL SAFETY DATA SHEET

Section 1: Chemical Product and Company Identification

Product Identifier: Black Earth – Mini-Granular
Also known as: Humalite

Chemical description: Humic Substances (Humates)
CAS #: 129521-66-0
Supplier's Name: Black Earth Humic LP
Address: 16221-123 Ave, Edmonton, Alberta, Canada T5V 1N9
12-Hour Emergency Telephone Number: 780-453-2100

Section 2: HAZARDS IDENTIFICATION

Route of Entry: Inhalation

Effects of Acute Exposure to Product: Airborne respirable dust may cause irritation to the nose, throat and lungs. Dust particles may mechanically irritate the eyes and impair vision.

Effects of Chronic Exposure to Product: Prolonged and/or repeated exposure via inhalation may result in progressive and permanent lung disorders and damage. Dust has been related to silicosis.

Irritancy of Product: Dust causes irritation as noted above. Skin contact and ingestion are not considered hazardous.

Sensitization to Products: Negligible.
Carcinogenicity: Not considered a human carcinogen.
Teratogenicity: Not established.
Reproductive Toxicity: Not established
Mutagenicity: Not established.
Synergistic Products: None established

Additional Toxicology Information See section 11 for Ecological Information
Potential Environmental Effect: See Section 12 for disposal considerations

Section 3. Composition / Information on Ingredients

Hazardous Components (Chemical Name): The product may contain crystalline silica (Total Si < 2%).

Hazard Category: Health: 1 Reactivity: 0 Flammability: 0 Environment: 0 (0 = Insignificant, 1= Slight, 2= moderate, 3= High, 4 = Extreme)

Section 4: First Aid Measures

Ingestion: Entry to the body through ingestion is very unlikely but if it occurs, drink at least two large glasses of water.

Inhalation: Inhalation of dust alone is unlikely to result in an emergency situation. Remove victim to fresh air if breathing. If difficulty persists, see physician

Skin Contact: Skin contact is unlikely to result in emergency situations. Wash the affected area/body with soap and water. Remove and launder contaminated clothing.

Eye Contact: Flush thoroughly with water for at least 15 minutes. If irritation persists, see physician

Section 5: Fire Fighting Measures

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Special fire-fighting procedures:	Use protective clothing and breathing equipment appropriate for surrounding fire.
Extinguishing Media:	Use media appropriate for surrounding fire. Water or Carbon dioxide may suffice in most cases
Flammability:	Not considered flammable.
Flash point and method of determination:	Not known
Minimum Explosive Concentration:	Not considered an explosion hazard.
Upper flammable limit:	Not applicable
Lower flammable limit:	Not considered a fire hazard.
Auto-ignition temperature:	Not known.
Hazardous Combustion Products:	Hazardous oxides of carbon and nitrogen may form upon combustion.
Explosion Hazard:	Not considered an explosion hazard; not sensitive to impact; sensitivity to static charge not known

Section 6: Accidental Release Measures

Personal Precautions:	Avoid creating dust
In case of Spill or leak:	Pick up with a shovel and salvage if possible. Otherwise, sweep up material and place in disposal container.
Disposal information:	See Section 13

Section 7: Handling and Storage

Handling:	Do not get in eyes. Avoid creating dust. Wear an approved dust mask and allow enough ventilation in working area.
Storage:	Store in a dry place and in air-tight containers.

Section 8: Exposure Control/Personal Protection

Exposure Limits:	
OSHA Permissible Exposure Limit:	None Established
ACGIH Threshold Limit Value	None Established
Other Exposure Limit Used:	2 mg/m ³
Personal Protection Equipment:	
Respiratory Protection:	Under dusty conditions, use NIOSH Approved respirator for non-toxic dusts
Ventilation:	Use local exhaust where dust concentrations may exceed 2mg/m ³
Protective Gloves:	in cases of potential prolonged contact, wear impervious gloves
Eye Protection:	NIOSH approved goggles under dusty conditions
Other Protective Equipment:	Eye Bath; Safety Shower
Other Control Measures:	Keep dust concentration below 2 mg/m ³ total dust. Wash hands before eating, smoking or using restroom.

Section 9: Physical and Chemical Properties

Physical States:	Solid
Boiling Point:	Not applicable

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Melting Point:	Not applicable
Freezing Point: Not applicable	Not applicable.
Specific Gravity (Water = 1):	
Bulk Density:	790 kg/m ³ (Packed).
Vapor Pressure (vs. Air or mm Hg):	Not applicable.
Vapor Density (vs. Air = 1):	Not applicable.
Evaporation Rate (vs Butyl Acetate=1):	No applicable.
Solubility in Water:	Soluble
Coefficient of Water/Oil Distribution	Not applicable
pH:	3.2-4.0.
Appearance:	Blackish/Brown
Odor:	Odorless

Moisture Content: Product may contain up to 10% moisture It may lose (or gain) moisture over time, dependent on humidity and temperature conditions and on exposure of product surfaces to the environment

Note: This physical data is based on material tested but may vary from sample to sample. This data should not be construed as a guaranteed analysis of any specific lot or as specifications for the product.

Section 10: Stability and Reactivity

Chemical Stability:	The product is stable under ambient conditions .
Conditions to Avoid:	None Known
Reactivity:	Not reactive in solid state; no known hazardous reactions when in solution
Incompatibility:	Non-reactive in solid state; no known hazardous reactions when in solution.
Hazardous Combustion or Decomposition Products:	Oxides of carbon and nitrogen may form on combustion.
Hazardous Polymerization:	Not known.

Section 11: Toxicological Information

No Toxicological data is available for this product.

Section 12: Ecological Information

No known adverse ecological effects are reported under normal use (recommended application)

Section 13: Disposal Considerations

Dispose of according to local, State and Federal regulations.

Section 14: Transport Information

General: The data provided in this section is for information only. Please apply the appropriate regulations to properly classify your shipment for transportation.

US DOT Shipping Description:	Not regulated for transportation by DOT, TDG, IMDG, ICA/IATA
Proper Shipping Name: (49 CFR 172.101-102)	None

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Hazard Classification:	None
Labels Required: (49 CFR 172.101-102)	None
Placards Required: (49 CFR 172.504)	None
Poison Constituent (49 CFR 172.203 k):	
TDG (Canada)	
Shipping Description:	Not Regulated
UN PIN No.:	Not Regulated

Section 15: Regulatory Information

U.S. Federal Regulations

Covered under CERCLA or SUPERFUND

Legislation EPA Registry No.:	No
SARA 311/312 Hazard Categories:	Not determined
SARA 302/304, 313; CERCLA RQ:	None. If no components are listed below, this product is not subject to the referenced SARA and regulations.
Hazardous Waste, 40 CFR 261:	This product contains no chemical which are listed as hazardous waste when disposed of and it does not exhibit any characteristics of hazardous waste.
In TSCA Inventory:	Yes, all components of this product are listed in TSCA Inventory

State Regulations

California Proposition 65:	None
California SCAQMD Rule: 443.1 VOC's:	None
MASSACHUSETTS Right-to-know:	Substance List (MSL) Hazardous Substances and Extraordinary Hazardous Substances on the MSL must be identified when present in Product. (>=1%). Components present in this product at a level which could require reporting under the statute are: NONE
PENNSYLVANIA Right-to-know:	Hazardous Substances List, Hazardous Substances and Special Hazardous Substances on the list must be identified when present in product (>=1%). : NONE

Section 16: Other Information

The information presented herein is based on the best data available and is believed to be correct. However, nothing stated in this information is to be taken as warranty, expressed or implied, regarding the accuracy of the information or the use of our product; nor shall anything contained herein be construed to constitute a permission or recommendation to practice any invention covered by patent or patent application, any of its divisions, or by others, without a license by the owner of the patent, patent application, or know-how.