

Before using this product,
carefully read entire label.

Handling Instruction

Storage and transportation of this product should be kept away from other products and chemicals to avoid contamination. To avoid product damage, store in a cool, dry environment. Keep out of reach of children, domestic animals and away from food. This product is not dangerous but we recommend using gloves and mask when handling the product.

First Aid

Harmful if swallowed. May cause eye and skin irritation. In case of contact, immediately flush eyes or skin with water. If in contact with skin, wash with plenty of water and soap. This product is not dangerous but we recommend using gloves and mask when handling the product.

Product Guarantee

Black Earth Humic LP warrants that this product conforms to the chemical description on the label thereof and is fit for the purposes stated on such label only when used in accordance with the directions under normal use conditions. It is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness, or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of Black Earth Humic LP. In no case shall Black Earth Humic LP be liable for consequential, special or indirect damages resulting from the use or handling of this product. Buyer shall assume all such risks of any such use of the products.

POWDER

Soil Amendment and Fertilizer Enhancer

Guaranteed Minimum 80% Humic and Fulvic Acids



Net Contents: Check box selection

☐ 50lb ☐ 55lb ☐ 2000lb ☐ 2205lb ☐ 2400lb

Lot # is identified on each individual package
This product has a 3 year shelf life from date of production.

CHEMICAL ANALYSIS:

Parameter	Level
Humic and Fulvic Acids	>80%
pH	3.9
Inert Ingredients	13.28 %

SCREEN ANALYSIS:

Typical %	Microns
75%	707 to 177
20%	177 to 74
5%	<74

**Manufactured in Alberta, Canada,
by Black Earth Humic LP**

#12, 50025 Range Rd 173, Equity Industrial Park
Ryley, AB, CANADA, T0B4A0

Tel: (780) 453-2100 Fax: (780) 421-4835

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Product Benefits

Powder is a fertilizer enhancer, biostimulant and soil conditioner. The active ingredient in this product is Humic and Fulvic Acids. Derived from Humalite (Leonardite), this material is naturally occurring material found in the sub-bituminous coal fields of Alberta, Canada. Humalite is a soft, brown coal like material that has many similarities to Leonardite but is very rich in humified matter and low in ash and other impurities.

Humic and Fulvic acids increase the availability of nutrients with their high cation exchange capacity, nutrient displacement in the soil, and they are the strongest natural chelators in the world.

This product is a catalyst for all microbes and stimulates their activity in the soil. This will increase nutrient availability, soil aeration, and increased plant health and yield.

The addition of humic and fulvic acids into your soil will help balance your soil pH, increase aeration and water retention. The combination of all of these benefits build plant biomass and create a strong, healthy, high yielding plant.

Directions for Use

***Note:** Rate variations are a result of soil conditions, Soil tests should be completed first to apply the correct rate for agronomic conditions

HORTICULTURE

Mix with soil medium at 50lb/yard³ (30kg/m³)

OTHER USES

This product is best suited for companies conducting secondary manufacturing with blend formulations and extraction of active ingredients. For more information on this please contact the sales team at Black Earth Humic LP.

MATERIAL SAFETY DATA SHEET

1. PRODUCT INFORMATION

Product Identifier: BlackEarth Dry

Also known as: **Black Earth Powder**

CAS#: 129521-66-0
Supplier's Name: Black Earth Humic LP
Address: 16221-123 Ave
City: Edmonton
Province: Alberta, Canada
Postal Code: T5V 1N9
Emergency Telephone Number: 780-453-2100

2. HAZARDOUS INGREDIENTS

The product is a naturally occurring complex mixture that can contain crystalline silica.

3. PHYSICAL DATA

Physical State: Solid
Odor: Odorless
Odor Threshold: Not applicable
Vapour Pressure: Negligible
Vapour Density: Not applicable
Evaporation Rate: Not applicable
Boiling Point: Does not form liquid
pH: 3.2 – 4.0
Appearance: Blackish/brown
Bulk Density: 790 kg/m³ (Packed)
Coefficient of Water/Oil Distribution: Not available – product may contain up to 35% moisture.
Percent Volatile (non-water): 0%
Moisture Variation: The product may lose (or gain) moisture over time, dependent on humidity and temperature conditions and on exposure of product surfaces to the environment.

4. FIRE AND EXPLOSION HAZARD

Flammability: Not considered a fire hazard.

Means of Extinction: Use media appropriate for surrounding fire.

Special Procedures: Use protective clothing and breathing equipment appropriate for surrounding fire.

Irritacy of Product: Dust causes irritation. Skin contact and ingestion are not considered hazardous.

Sensitization to Products: Negligible.

Dust Explosion Hazard: Not considered an explosion hazard.

Minimum Ignition Temperature: Not considered a fire hazard.

Minimum Explosive Concentration: Not considered an explosion hazard.

MIE: Not applicable.

Hazard Combustion Products: Not applicable.

Explosion Data: Sensitivity to Impact - Not sensitive.

Explosion Data: Sensitivity to Static Discharge - Not sensitive.

Susceptibility to Spontaneous Heating/Combustion: Not applicable.

5. REACTIVITY DATA

Chemical Stability: The product is stable under ambient conditions.

Incompatibility with Other Substances: Non-reactive.

Reactivity: Not applicable

Hazardous Decomposition Products: Not applicable

6. TOXICOLOGICAL PROPERTIES

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.

Irritacy 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.

Free Si: ≤ 3%

7. PREVENTATIVE MEASURES

Personal Protective Equipment: An approved (NIOSH/MSHA) respirator equipped with a dust filter, approved for silica bearing dust, should be worn when exposed to the product under dust generating conditions. Disposable units are normally satisfactory for short-term or intermittent exposure.

The use of additional personal protective equipment varies with severity of conditions. Safety goggles, coveralls and protective footwear are recommended when handling bulk quantities of the product.

Engineering Controls: Local exhaust ventilation and confinement of handling systems may be required to control exposure to dust.

Leak and Spill Procedure: Take steps to control product discharge to the environment. Notify appropriate authorities immediately and arrange for recovery of spilled material.

Waste Disposal: Ensure waste material is disposed of in accordance with applicable environmental regulations, including local requirements.

Handling Procedures and Equipment: Minimize generation of dust during handling. Provide adequate ventilation. Be aware of dust explosion hazard.

Storage Requirements: Store in dry place. Keep product containers closed or covered where possible.

Exposure Limits: The American Conference of Governmental Industrial Hygienists recommends ≤ 2 mg/m³ of respirable dust (TWA limit).

DOT Classification: Not Classified.

8. FIRST AID MEASURES

Inhalation: Inhalation of dust alone is unlikely to result in an emergency situation. If necessary, use adequate respiratory protection and remove victim to fresh air. Get prompt medical attention if breathing difficulty is evident.

Eye Contact: Flush eyes with large amounts of water to remove residual dust particles. Get medical attention if irritation persists.

Skin Contact, Ingestion: First aid is usually not necessary.

9. PREPARATION

Prepared by: Black Earth Humic LP
 #12, 50025 Range Rd 173,
 Equity Industry Park
 Ryley, AB
 780-453-2100
 Phone Number:
 Fax Number: 780-421-4835
 Reviewed by: Brett Halliday
 Effective Date: March 2016

PRODUCT OF CANADA

Copies available at: www.blackearth.com

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