



## SECTION 1: IDENTIFICATION

PRODUCT IDENTIFIER: **Humalite**  
OTHER MEANS OF IDENTIFICATION: Black Earth Powder  
RECOMMENDED USE: Oilwell drilling fluid additive  
RESTRICTIONS ON USE: None  
SUPPLIER IDENTIFIER: **Prairie Mud Service**  
**738 6th Street**  
**Estevan, SK**  
**S4A 1A4**

EMERGENCY PHONE NUMBER: 306-634-3411

## SECTION 2: HAZARD IDENTIFICATION

CLASSIFICATION: Combustible Dust – Category 1  
LABEL SYMBOLS: Not applicable  
SIGNAL WORD: Warning  
HAZARD STATEMENTS: May form combustible dust concentrations in air  
OTHER HAZARDS: None

**Prevention**  
Avoid creating dust clouds during use. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

**Response**  
In case of fire: Use CO<sub>2</sub>, dry chemical or foam for extinction.

**Storage**  
No special storage requirements.

**Disposal**  
Dispose of contents/container in accordance with local, provincial or federal regulations.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS NUMBER	CONCENTRATION
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This is a naturally occurring complex mixture that can contain crystalline silica.

## SECTION 4: FIRST AID MEASURES

SKIN CONTACT: Brush away excess material and wash with water. If irritation develops, obtain medical attention.

EYE CONTACT: Immediately flush with gently flowing warm water particles are removed. If irritation persists, obtain medical attention.



**HUMALITE**

INGESTION: Rinse mouth and give 1 to 2 glasses of water to drink. If large amounts are swallowed, or symptoms develop, obtain medical attention. Never give anything by mouth if patient is unconscious, rapidly losing consciousness or convulsing.

INHALATION: Move to fresh air. Apply oxygen or artificial respiration if required. Obtain immediate medical attention.

MOST IMPORTANT SYMPTOMS/EFFECTS: No know effects.

IMMEDIATE MEDICAL ATTENTION/SPECIAL TREATMENT: Treat symptomatically.

**SECTION 5: FIRE-FIGHTING MEASURES**

SUITABLE EXTINGUISHING MEDIA: Carbon dioxide, dry chemical, water spray or foam.

UNSUITABLE EXTINGUISHING MEDIA: Not available.

SPECIFIC FIRE HAZARDS: May form an explosive dust/air mixture in the presence of an ignition source. This product is susceptible to spontaneous heating, which if uncontrolled could lead to combustion.

HAZARDOUS COMBUSTION PRODUCTS: Gaseous oxides of carbon, sulphur and nitrogen. Coal tar products are considered to be human carcinogens (IAR and NTP).

SPECIAL PROTECTIVE EQUIPMENT & PRECAUTIONS: Self-contained breathing apparatus required for fire-fighting personnel. Move from fire area if possible.

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

**PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES**

Use appropriate safety equipment. Eliminate ignition sources. Non-sparking tools should be used as dust/air mixtures may explode violently.

**METHODS AND MATERIALS FOR CONTAINMENT AND CLEAN UP**

Collect spilled material by vacuum if possible to avoid generation of dust. Collect uncontaminated material for repackaging. Collect contaminated material in an approved container for disposal. Wash spill area with water until non-slippery.

**SECTION 7: HANDLING AND STORAGE**

**PRECAUTIONS FOR SAFE HANDLING**

Do not breathe dust. Use normal precautions against bag breakage or spills of bulk material. Avoid creation of respirable dust. Use good housekeeping in storage and use areas to prevent accumulation of dust in work areas. Use adequate ventilation and dust collection. Maintain and use proper, clean respiratory equipment. Launder clothing that has become dusty. Empty containers retain product residue and must be handled in accordance with the provision of the SDS.



**CONDITIONS FOR SAFE STORAGE & INCOMPATIBILITIES**

Store in a cool, dry area. Avoid contact with heat sources, open flames or other ignition sources. Spontaneous heating can result from exposure or product surface to air and by readsorption of moisture lost during processing. The internal temperature of stockpiles or other bulk storage units should be continuously monitored. An enclosed space may become deficient in oxygen available for breathing.

**SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION**

EXPOSURE LIMITS:	ACGIH TWA = 2 mg/m <sup>3</sup>
ENGINEERING CONTROLS:	Use local exhaust ventilation, process enclosure or other engineering controls as required to maintain vapour concentration below TLV's.
<b>PERSONAL PROTECTIVE MEASURES</b>	
RESPIRATORY PROTECTION:	Respiratory protection should be worn when there is a potential to exceed exposure limit requirements or guidelines.
PROTECTIVE GLOVES:	Not required.
EYE PROTECTION:	Safety glasses with side-shields or chemical goggles.
OTHER PROTECTIVE EQUIPMENT (SPECIFY):	Ensure eye-wash station and emergency shower are available.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

APPEARANCE:	Dark brown powder
ODOUR:	No odour
ODOUR THRESHOLD:	Not available
pH:	3.2 – 4.0
MELTING POINT / FREEZING POINT:	Not applicable (does not form liquid)
BOILING POINT / RANGE:	Not applicable (does not form liquid)
FLASH POINT:	Not applicable
EVAPORATION RATE:	Not available
FLAMMABILITY:	Not available
FLAMMABILITY / EXPLOSIVE LIMITS:	Not available
VAPOUR PRESSURE:	Not available
VAPOUR DENSITY:	Not available
RELATIVE DENSITY:	Not available
SOLUBILITY:	Insoluble in water
PARTION COEFFICIENT:	Not available
AUTO-IGNITION TEMPERATURE:	Not available
DECOMPOSITION TEMPERATURE:	Not available
VISCOSITY:	Not available



## **SECTION 10: STABILITY AND REACTIVITY**

REACTIVITY:	No information available
CHEMICAL STABILITY:	Stable under normal conditions
POSSIBILITY OF HAZARDOUS REACTIONS:	Polymerization will not occur
CONDITIONS TO AVOID:	Open flame and ignition sources.
INCOMPATIBLE MATERIALS:	Keep away from strong oxidizers.
HAZARDOUS DECOMPOSITION PRODUCTS:	No information available.

## **SECTION 11: TOXICOLOGICAL INFORMATION**

PRODUCT TOXICITY:	Not available
SKIN CONTACT:	Prolonged or repeated contact may irritate skin in some individuals.
EYE CONTACT:	Particles may cause mechanical irritation.
INGESTION:	No adverse effects expected from incidental ingestion.
INHALATION:	Inhalation may cause irritation of the nose, throat and respiratory passages. Long-term inhalation of coal dust may cause silicosis, a progressive, disabling and sometimes fatal lung disease, and/or coal miner's pneumoconiosis. Symptoms include cough, shortness of breath, wheezing, non-specific chest illness and reduced pulmonary function.
CARCINOGENICITY:	No information available.
TERATOGENICITY:	No information available.
REPRODUCTIVE TOXICITY:	No information available.
MUTAGENICITY:	No information available.
CHRONIC TOXICITY:	No information available.
TARGET ORGAN EFFECTS:	No information available.

## **SECTION 12: ECOLOGICAL INFORMATION**

ECOTOXICITY:	No information available.
PERSISTENCE AND DEGRADABILITY:	No information available.
BIOACCUMULATIVE POTENTIAL:	No information available.
MOBILITY IN SOIL:	No information available.
OTHER ADVERSE EFFECTS:	No information available.

## **SECTION 13: DISPOSAL CONSIDERATIONS**

Dispose in accordance with federal, provincial and local regulations. It is the responsibility of the end-user to determine if material meets the criteria of hazardous waste at the time of disposal. Empty packaging, must be disposed of, or recycled, in accordance with local regulations.



**SECTION 14: TRANSPORTATION INFORMATION**

UN NUMBER:	Not applicable
PROPER SHIPPING NAME:	Not applicable
CLASS:	Not applicable
PACKING GROUP:	Not applicable
IMDG HAZARDS:	Not applicable
BULK TRANSPORT:	Not applicable
SPECIAL PRECAUTIONS:	Not applicable

**SECTION 15: REGULATORY INFORMATION**

DSL:	All ingredients are listed on the DSL.
WHMIS CLASS:	Not controlled
TSCA:	All ingredients are listed or exempt from listing.

**SECTION 16: OTHER INFORMATION**

REVISION DATE:	November 15, 2016
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