



MATERIAL SAFETY DATA SHEET

#1700, 407 2ND STREET S.W., CALGARY, ALBERTA T2P 2Y3
TELEPHONE: (403) 269-2242 FAX: (403) 269-2251
1-613-996-6666 – CANUTEC – Transportation Emergency
1-888-243-9771 – ChExSS – Chemical Exposure

HUMALITE

SECTION I: IDENTIFICATION OF PRODUCT

Product Name: HUMALITE (BLK EARTH POWDER)
Chemical Family: Natural Mineral, leonardite
WHMIS Classification: No controlled
Workplace Hazard: Treat as nuisance dust; contains <0.1% Silica

Product Use: Fluid loss reducer
TDG Classification: Not regulated
Packaging Group: Not applicable
PIN: Not applicable
CAS#: 1415-93-6

SECTION II: HAZARDOUS INGREDIENTS

Ingredients	Percent	CAS Number	LD ₅₀ (Species/Route)	LC ₅₀ (Species/Route)
No WHMIS Controlled Products				

SECTION III: TOXICOLOGICAL PROPERTIES

Route of entry: Skin Eye Contact Inhalation Ingestion

Effects of acute exposure: Particles may cause mechanical irritation to the eyes. Prolonged or repeated contact may irritate skin in some individuals. Inhalation may cause irritation of the nose, throat and respiratory passages.

Effects of chronic exposure: 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.

Exposure limits: No information available

Irritancy of product: Irritant to skin, eyes, nose, throat and respiratory passages.

Sensitization to product: information available

Carcinogenicity: information available

Reproductive toxicity: information available

Teratogenicity: information available

Mutagenicity: information available

Name of toxicological synergistic products: information available



SECTION IV: FIRST AID MEASURES

Skin contact: If irritation occurs, or at end of shift, wash with soap and water until clean. If irritation persists, obtain medical attention.

Eye contact: Flush eyes with gently flowing warm water until particles are removed. If irritation persists, obtain medical attention.

Inhalation: Move to fresh air. Give oxygen or give artificial respiration if required. If breathing difficulties or distress continues obtain medical attention.

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 unless victim is fully unconscious.

SECTION V: PHYSICAL DATA

Physical state: Solid.

Appearance and odour: Dark brown to black powder; no odour

Odour threshold: Not applicable

Specific gravity: 1.35

Vapor pressure (mmHG): Not applicable

Vapor density (Air=1): Not applicable

Evaporation rate: Not applicable

Boiling point (°C): Not applicable

Freeze/Melting point (°C): Not applicable

pH: 3.2-4.0

Co-efficient of water/oil distribution: Not applicable



SECTION VI: FIRE AND EXPLOSION DATA

Conditions of flammability: Non flammable

Means of extinguishing: Class A is most effective

Flash point: Not applicable

Upper flammable limit: Not applicable

Lower flammable limit: Not applicable

Auto-ignition temperature: Not applicable

Hazardous combustion products: Not applicable

Unusual Fire and Explosion Hazards: Fine coal particles dispersed in air represent a potentially explosive mixture. Minimum explosive concentration = 120 mg/m³. This product is susceptible to spontaneous heating, which if uncontrolled could lead to combustion.

SECTION VII: REACTIVITY DATA

Chemically unstable (conditions): Stable.

Product incompatible with: Avoid contact with strong oxidizers, heat and ignition sources.

Conditions of reactivity: This product is reactive only at elevated temperatures.

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



SECTION VIII: PREVENTATIVE MEASURES

Personal protective equipment: NIOSH approved dust mask recommended. Use approved respirator with dust/mist cartridges if TLV is exceeded. ACGIH TWA = 2 mg/m³ for respirable dust. Safety glasses with side-shields or goggles are recommended.

Specific engineering controls: Use local exhaust ventilation, process enclosure or other engineering control to maintain level of airborne dust below TLV.

Procedures for leak/spills: Use appropriate safety equipment. Eliminate ignition sources. Avoid creating dust clouds. Vacuum if possible to avoid generating airborne dust. Collect uncontaminated material for repackaging. Collect contaminated material for disposal in an approved container for disposal. Wash spill area with water.

Waste disposal: 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.

Handling procedures and equipment: 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 MSDS.

Storage requirements: 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.

Special shipping information: Not applicable

SECTION IX: PREPARATION

Date updated: Jan 13, 2010

Prepared by: Product Safety Committee

All the recommendations and suggestions herein concerning this product are based upon tests and data believed to be reliable, however it is the user's responsibility to determine the safety, toxicity and sustainability for their own use of the product described herein. Since the actual use by others is beyond our control, no guarantee, expressed or implied, is made by Q'Max Solutions Inc. as to the effects of such use, the results to be obtained, or the safety and toxicity of the product nor does Q'Max Solutions Inc. assume any liability arising out of use by others. Nor is the information herein to be considered as absolutely complete since additional information may be necessary or desirable when particular or exceptional conditions or circumstances exist or because of applicable laws or government regulations.