



LEONARDITE/LIGNITE

HIGH QUALITY WYOMING LEONARDITE/LIGNITE

DESCRIPTION

LEONARDITE/LIGNITE is a naturally occurring, mineable material known for its humic acid content.

Leonardite can be used as the basis of, or added to, fertilizers designed to enhance soil performance.

Lignite can be used directly to disperse and thin water-based drilling fluid systems, and to reduce high-temperature/high-pressure filtration rates.

ADDITIONAL USES

Lignite can be chemically modified to Organo-Lignite which renders the product to a colloidal oil dispersible lignite. Organo-Lignite is added to oil and synthetic base fluids to reduce fluid loss.

PROPERTIES

Property	Typical Analysis	Specification
Moisture	16-20%	20.0% max
% minus 140 mesh sieve	70-75 %	70% min
Solubility	60-80%	60% min
Bulk Density	38-42 lbs./ft3	40 lbs./ft3 max
Humic Acid	55-70%	>50% (test method / Calif HA4/JC (rev. 2:3-11-09))

CHEMICAL ANALYSIS / CANDIAN HEAVY METALS

ELEMENT	mg/kg	ELEMENT	mg/kg
Arsenic (total)	n.d.	Molybdenum	n.d.
Cadmium (total)	n.d.	Nickel	10.3
Chromium (total)	6.46	Lead	n.d.
Cobalt (total)	4.33	Selenium	n.d.
Copper (total)	16.8	Zinc	17.4
Mercury	.11		

PACKAGING

Leonardite / Lignite is available in 50-pound sack s, bulk bags, bulk trucks or by bulk rail.

AVAILABILITY

Leonardite / Lignite is available through one Wyoming plant location. Please contact our **Customer Service Department** by either phone, fax, or email. Please see below.

Black Hills Lignite

321 Monkey Mountain Road

Glenrock, WY 82637

Phone: (307) 441-0191 • Email: contact@bhignite.com

The information contained herein is based on tests believed to be reliable, however no warranty is implied.