

ChemSol

DRILLING FLUID PRODUCTS

LIGNITE

PRODUCT DESCRIPTION

Lignite is a product naturally containing a high content of humic acids. Lignite is an economical thinning agent for use in all freshwater mud systems. Lignite is highly soluble, heat stable at all drilling depths and is an effective thinning agent in both high and low pH mud systems. Lignite is an excellent emulsion stabilizer and viscosity reducer in high temperature drilling operations.

RECOMMENDED TREATMENT

Application rates will vary. Higher concentrations may be suitable in fluid systems exposed to high bottom hole temperatures.

PRODUCT ADVANTAGES

- Will maintain filtrate resistivity at higher values in low pH muds.
- Is tolerant of other mud additions in moderate quantities.
- Lignite is effective in both fresh and saltwater systems, although high salt concentrations will reduce the effectiveness of treatment.

TYPICAL CHEMICAL SPECIFICATION AND PROPERTIES

Physical Appearance:	Black to Dark Brown
Typical Bulk Density:	45lb/ft ³
Moisture:	14 – 22% as shipped
pH:	3.5 – 5.0 @ 1% solids

PRODUCT HANDLING

Review all product specification and MSDS information prior to product application. Utilize chemical handling equipment and personal protection apparel (i.e. goggles & gloves) as specified in product MSDS when handling this material. Avoid inhalation and direct contact with eyes.

STORAGE

Store Lignite in a well ventilated area away from contact with moisture.

PACKAGING

Lignite is available in 50lb multi-wall bags.