



## Product Information

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### Lignite

#### GENERAL DESCRIPTION

Lignite is a naturally oxidized coal known as Leonardite.

Lignite is used in water based muds as a thinner (dispersant), oil emulsifier and a filtration control/stabilization agent for high temperature mud systems.

#### FEATURES AND BENEFITS

Lignite is a much more stable thinner and filtration control additive at high temperatures than are the lignosulfonates.

Lignite requires the presence of hydroxyl ions (OH), i.e. Caustic sods, to maximize its effectiveness. A pH above 9.5 is required to provide effective deflocculation and dispersion.

#### RECOMMENDED TREATMENT

Normal concentrations vary from 6.0-30.0 kg/m<sup>3</sup> depending on the solids content of the system.

#### TYPICAL PHYSICAL PROPERTIES

Appearance	Brown/Black powder
Specific Gravity	1.6-1.8
Temperature stability	200°C

#### HANDLING

Lignite is a controlled product using the WHMIS classification. Refer to MSDS information for specific precautions and handling.

#### AVAILABILITY

Lignite is packaged in 22.68 kg bags and is available from HiTech Fluid Systems Ltd.