

Product Data Sheet

Asphaltite WD

Filtration Control Agent for Water Based Fluids



PRODUCT DESCRIPTION

Asphaltite WD filtration control agents is a naturally occurring asphaltite blended with a proprietary mixture of surfactants which is used for reducing HPHT filtrate in most water-based drilling fluids.

BENEFITS

The Asphaltite WD mineral is readily dispersible in water-based drilling fluids in which it controls HPHT fluid loss. Asphaltite WD is a high temperature softening point asphaltite which can extrude into formation microfractures to form a sealing/plugging and bonding mechanism, which can stabilize shales and prevent sloughing. It can also help seal depleted sands. The material is readily dispersible in water and brine with low foam generation.

APPLICATION

Asphaltite WD, HPHT fluid loss control effectiveness extends to its melting point of >430°F (>220°C).

TREATMENT RECOMMENDATION

Initial concentration range is 2-8 lb/bbl.

PARTICLE SIZE DISTRIBUTION

Retained on 35 Mesh	0%
Retained on 65 Mesh	≤1%
Retained on 100 Mesh	≤10%
Retained on 200 Mesh	≤25%

Particle Size By Laser Granulometry

d10:	16.5μ
d50:	83.6μ
d90:	262μ

TYPICAL PHYSICAL PROPERTIES

Appearance.....	Black powder or granules
Flash Point (COC).....	600°F (316°C)
Melting Point.....	> 430°F (>220°C)
Solubility.....	Nonsoluble in water
Dispersibility.....	Water and Brines
Specific Gravity.....	1.05-1.20

HANDLING AND STORAGE

Keep dust out of eyes to avoid mechanical irritation. Dusts are subject to combustion. Normal precautions used with flammable materials apply. Use appropriate hygiene, clothing and personal protective equipment suitable for work being done. Review the SDS thoroughly before using this product.

PACKAGING

Asphaltite WD filtration control and sloughing shale agent is available in 50-pound (22.7-kilogram) multi-walled bags.

