

Product Data Sheet

Asphaltite HTHP

Filtration Control Agent



PRODUCT DESCRIPTION

Asphaltite HTHP filtration control agent is a naturally occurring asphaltite used for reducing HPHT filtrate in diesel-, paraffinic- or mineral oil-based drilling fluids. With the addition of a water-wetting surfactant, it can be used in WBMs.

BENEFITS

The Asphaltite HTHP mineral is readily dispersible in diesel-, paraffinic- and mineral oil-based drilling fluids in which it controls HPHT fluid loss. In WBM it seals depleted sands and microfractures. In WBMs it can also stabilize sloughing shales. In WBM a water wetting surfactant should be added to disperse the mineral.

APPLICATION

Asphaltite HTHP, 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.

Cleanup Recommendation

Asphaltite HTHP clean up is achieved through aromatic solvents (benzene, toluene, xylene), in most chlorinated solvents, and some other solvents. Follow safe handling and use instructions regarding all solvents.

PACKAGING

Asphaltite HTHP filtration control agent is available in 50-pound (22.7-kilogram) multi-walled bags.

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.....	Aromatic and chlorinated organic solvents
Specific Gravity.....	1.10-1.25

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.

