

Natural Asphalt

Description

Natural Asphalt is a solid hydrocarbon resin with a low specific gravity. Major component of Natural Asphalt is Carbon, while it contains several other elements. It is specially treated to be dispersed in water. It is soluble in various petroleum and chlorinated solvents.

Applications

The addition of the specially-treated Natural Asphalt to water-based drilling fluids helps minimize hole washout by stabilizing troublesome shales, and seals off highly permeable sands while reducing torque and drag. Also, Natural Asphalt reduces filtration rates, particularly HPHT filtrate.

Features and Benefits

- Water dispersible Asphalt
- Effective in reducing HPHT fluid loss
- Inhibits sloughing of shale formations
- Helps reducing torque and drag
- Minimizes potential differential sticking in depleted sands
- Helps minimize hole washout

Typical Properties

Appearance	Powder
Color	Brown to black
Specific Gravity	1.06
Moisture	< 1.0%

Recommended Treatment

Typical concentrations of Natural Asphalt are between 4.0 – 10.0 lb/bbl (11.5 – 28.5 kg/m³) for shale stabilization and 4.0 – 6.0 lb/bbl (11.5 – 17.0 kg/m³) for high temperature high pressure fluid loss control.

Safety and Handling

Prior to using this product, refer to the safety data sheet for information on use of personal protective equipment, safe handling, storage, transport, and disposal.

Packaging

Natural Asphalt is available in 50 lb (22.7 kg) and 55 lb (25 kg) bags.

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