

Sulphonated Asphaltene

Shale stabilizer

Description

Sulphonated Asphaltene shale stabilizer, a sulfonated asphalt partially soluble in water and oil, is used as an additive for water-based drilling fluids to improve the stability of shale, control cuttings dispersion, reduce torque and reduce fluid loss at high temperatures. Sulphonated Asphaltene coats shale and cuttings with a thin layer, preventing dispersion and / or bonding of the particles. Soluble in both water and oil, Sulphonated Asphaltene can be used as a reagent to create oil-in-water emulsions.

Applications/functions

- Improving the stability of shale.
- Reduced fluid loss in high temperature conditions.

Advantages

- Prevents dispersion of drill cuttings.
- Partially soluble in water and oil.
- Stable up to 400°F (205°C).
- Forms a thin strong crust on the borehole walls.
- Provides lubrication.

Typical properties

- | | |
|---------------------------------------|-------------|
| • Appearance, standard | Dark powder |
| • Specific gravity, g/cm ³ | 0,98 |

Recommended treatment

Sulphonated Asphaltene is added in the amount of 5.7 - 17 kg/m³.

Package

Sulphonated Asphaltene is packaged in 25 kg sacks.
