

Description

Drilling detergent is an aqueous blend of surface active agents. It is designed to reduce the surface tension of water base mud systems as well as reduce the sticking tendencies of water sensitive shale cuttings.

Packaging

55 Gal. drum/208 Litre barrels. Customized packaging is available on request.

Specifications

S.No.	Parameter	Specification
1	Physical state	Soapy homogenous liquid at 24±2°C, free from visible impurities, and miscible with water
2	Density at 24±2 °C, g / ml	1.00 - 1.10
3	Surface Tension of 0.25% (v/v) Solution of the sample in distilled water at 25±1 °C, dynes / cm	35.0 (Maximum)
4	pH of 1% (v/v) solution of the sample in distilled water	7.5 - 10.5
5	Emulsion Stability test Immediate separation of HSD oil	No immediate separation of HSD oil
6	Emulsion Stability test Separation of HSD Oil after 24 hrs. at room temperature	Separation of HSD oil shall not be more than 2 ml
7	Lubricity Coefficient of the treated and defoamed mud	0.20 (Maximum)
8	Foaming Tendency test	Increase in volume not be more than 5%

Advantages

- Reduces Bit Balling, Mud rings and Cake build up on strings
- Can be directly added to the mud system through tanks with no compatibility issues.
- Increases bit life
- Increases penetration rate
- Reduces hole friction and torque
- Reduces wear on surface equipment