

C-MUL[®]

OBM PERFORMANCE IN A WATER BASED MUD PACKAGE

The C-MUL[®] package enhances the properties of water-based drilling fluids resulting in improved drilling rates and wellbore stabilization. The package combines two key components: C-MUL[®] and MULSPERSE[®] creating an effective, high performance emulsion-based drilling fluid.

Manufactured with a polyalphaolefin (PAO) synthetic hydrocarbon base, C-MUL[®] is formulated to improve rate of penetration (ROP), hole/shale stability, and inhibition. The use of PAOs in drilling fluid additives is patent protected by Sun Drilling Products Corporation. C-MUL[®] is easily added to water-based fluids with a minimal amount of mixing and agitation. The product is compatible with both fresh and salt water systems and has no adverse effect on the LC₅₀ value of the system. C-MUL[®] coats the formation and metal parts with a hydrophobic layer of PAO minimizing balling and wear.



MULSPERSE[®] is a dispersant which completes the emulsion by coupling any synthetic hydrocarbon into a stable oil-in-water fluid package. It is very effective in dispersing solid hydrocarbons, such as gilsonite and asphaltic materials, preventing clumping or agglomerating in water-based fluids.

C-MUL[®] with its unique rheological profile has remarkably improved lubricity in several types of drilling fluid systems including deep-water applications. The product reduces torque and drag; effectively improving drilling rates, while not adversely affecting the rheological properties of the drilling fluid system.

Advantages

- ◆ Produces high inhibition in WBM
- ◆ Reduces torque and drag
- ◆ Decreases friction and wear
- ◆ Minimizes bit balling
- ◆ Non-toxic
- ◆ Non-sheening
- ◆ No adverse effect on LC₅₀

C-MUL[®] Physical Properties

- ◆ Specific gravity 0.80
- ◆ Appearance Clear amber liquid
- ◆ Flash point COC >300°F (>149°C)
- ◆ Funnel viscosity 70°F - 39 seconds
120°F - 34 seconds

MULSPERSE[®] Physical Properties

- ◆ Specific gravity 1.02
- ◆ Appearance Clear blue liquid
- ◆ Flash point COC >200°F (>93°C)
- ◆ Pour point 25°F (4°C)

Recommended Treatments

- ◆ C-MUL[®] 4% - 10%
- ◆ MULSPERSE[®] 0.1% - 1.0%

Packaging

- ◆ Rig storage bulk containers (13 bbl/550 gallon)
- ◆ Disposable tote tanks



Sun ... The HOLE Solution Company!

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