

# C-MUL<sup>®</sup>

## OBM PERFORMANCE IN A WATER BASED MUD PACKAGE

The C-MUL<sup>®</sup> package enhances the properties of water-based drilling fluids resulting in improved drilling rates and wellbore stabilization. The package combines key components of Sun's PAO technology creating an effective, high performance emulsion-based drilling fluid.

Manufactured with a polyalphaolefin (PAO) synthetic hydrocarbon base, C-MUL<sup>®</sup> 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<sup>®</sup> 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 LC<sub>50</sub> value of the system. C-MUL<sup>®</sup> coats the formation and metal parts with a hydrophobic layer of PAO minimizing balling and wear.

C-MUL<sup>®</sup> 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 LC<sub>50</sub>

### C-MUL<sup>®</sup> 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

### Recommended Treatments

- ◆ C-MUL<sup>®</sup> 4% - 10%

### Packaging

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



*Sun ... The HOLE Solution Company!*

**1-800-962-6490**

[www.sundrilling.com](http://www.sundrilling.com)

Houston, Texas 713.690.3939  
Belle Chasse, Louisiana 504.393.2778  
Pinedale, Wyoming 307.231.1008  
Oklahoma City, Oklahoma

Calgary, Alberta Canada 403.319.0677  
Eastern Hemisphere 011.44.1603.667020  
Western Hemisphere 888.311.6604  
Denver, Colorado  
082205