

## NFS-Torqcapsule™

### Description

NFS-Torqcapsule™ is a unique blend of anionic and non-ionic active surfactant, designed to reduce interfacial tension between water, solids and clay in all types of aqueous fluids. NFS-Torqcapsule™ is a great clay inhibitor that can help minimize bit balling during the drilling of massive gumbo shale.

### Advantages

- ◆ Reduces swap and surge potential
- ◆ Reduces bit and BHA balling
- ◆ Minimizes shale and gumbo hydration
- ◆ Reduces solids build-up

### Benefits

- ◆ Maximizes rate of penetration
- ◆ Eliminates shaker binding
- ◆ Eliminates gumbo attack

### Physical Properties

- |                    |                 |
|--------------------|-----------------|
| ◆ Form             | Liquid          |
| ◆ Color            | Clear or Yellow |
| ◆ Specific Gravity | 1.0-1.05        |
| ◆ Flash Point      | >250°F (>121°C) |

### Mixing Recommendations

Simply add 1 to 2% by volume to the active mud system prior to drilling of a gumbo/shale section. For sweeps, add 4% to a desired volume of drilling fluids and pump around the BHA.

### Packaging

- ◆ NFS-Torqcapsule™ is available in 55-gallon drum