



HYPERMUL®

One Drum Emulsifier

Product Description

HYPERMUL® one drum emulsifier is the only emulsifier in the fluids formulation designed in the HYPERDRIL® extreme temperature non-aqueous drilling fluid system. It is used alone to provide excellent emulsion stability, preferential wetting of solids by the continuous phase, filtration control and overall system stability. It requires the addition of lime to produce a calcium soap in-situ.

Applications/Functions

- Prepares HYPERDRIL® extreme temperature NAF system
- Impact oil-wetting characteristics and helps maintain HPHT filtrate in a water-free state

Advantages

- Stable at temperature above 500°F
- One-drum emulsifier, eliminating the need for separate primary and secondary emulsifiers
- Formulated to produce flatter gel strengths when compared against conventional emulsification packages
- Effective and thermally stable across a broad temperature range

Typical Properties

- Appearance: Transparent Amber Viscous Liquid
- Flash point: 97°C (207°F)
- Pour Point: -16°C (3°F)
- Specific gravity: 0.94

Recommended Treatment

- A typical range is 8-12 ppb. For every pound of HYPERMUL® that is added to the system, add 0.5 ppb of lime
- For HPHT applications above 450°F and 16ppg, HYPERMUL® concentrations of up to 25 ppb maybe required, and 1-3 ppb of HYPERWET® may be required as supplementary wetting agent

Package

- 55 GAL DRUM