

OptiMul™ HP

EMULSIFIER



PRODUCT DESCRIPTION

OptiMul™ HP is a high-performance emulsifier designed to increase stability in non-aqueous drilling fluids. OptiMul HP reduces fluid loss and is the only emulsifier needed in the fluids formulation.

BENEFITS

- One-drum emulsifier, eliminating the need for separate primary and secondary emulsifiers
- Formulated to produce flatter gel strengths when compared against conventional emulsification packages
- Imparts oil-wetting characteristics
- Used in a variety of fluid types and weights
- Effective and thermally stable across a broad temperature range

APPLICATION

OptiMul HP replaces the need for a primary and secondary emulsifier in diesel oil-based and mineral oil-based systems, as well as synthetic systems. It should be used in an alkaline environment. An excess of $\text{Ca}(\text{OH})_2$ (lime) should always be present in the fluid. OptiMul HP is effective in applications over 375°F (191°C).

TREATMENT RECOMMENDATION

OptiMul HP concentrations should be engineered for the specific fluid design, but a typical initial range is 6-8 lb/bbl. Once the fluid is in the well and properly sheared, maintain the excess lime above 1.0 lb/bbl.

TYPICAL PHYSICAL PROPERTIES

Appearance.....Dark brown liquid
Flash Point.....176°F (80°C)
Pour Point 3°F (-16°C)
Specific Gravity.....0.93-0.94

HANDLING AND STORAGE

Recommended storage temperature is 40-90°F (4-32°C). Use appropriate hygiene and personal protective equipment suitable for work being done. Review the SDS thoroughly before using this product.

PACKAGING

OptiMul HP one-drum emulsifier is available in 5-gallon (208-liter) drums, 275-gallon (1,041-liter) totes and bulk quantities.