

OptiPlus™ II

EMULSIFIER



PRODUCT DESCRIPTION

OptiPlus™ II emulsifier is a liquid blend of polyamides that provides a stable water-in-oil emulsion. It is designed for use in the OptiDrill™ or OptiPhase™ diesel- or mineral oil-based fluid systems as the secondary emulsifier, either when first preparing the fluid or as a treating agent during drilling.

BENEFITS

- Provides stable and cost-effective emulsion
- Allows adjustable concentrations to balance emulsion stability with increased ROP
- Imparts oil-wetting characteristics
- Performs effectively in the presence of contaminants

APPLICATION

OptiPlus II emulsifier is effective with NaCl, CaCl₂ or NewPhase™ internal phases. It should be used in an alkaline environment. An excess of Ca(OH)₂ (lime) should always be present in the fluid.

TREATMENT RECOMMENDATION

OptiPlus II emulsifier concentrations should be engineered to the specific fluid design, but a typical range is 2-8 lb/bbl (0.26-1.04 gal/bbl). The emulsifier can be added through the hopper or directly into the pits, providing agitation is sufficient.

TYPICAL PHYSICAL PROPERTIES

Appearance.....Dark amber liquid
Flash Point.....200°F (93°C)
Specific Gravity.....0.94-0.95

HANDLING AND STORAGE

Use appropriate hygiene, clothing and personal protective equipment suitable for work being done. Review the SDS thoroughly before using this product.

PACKAGING

OptiPlus II emulsifier agent is available in 55-gallon (208-liter) drums, 275-gallon (1,041-liter) totes and bulk quantities.