

FACTANT™

EMULSIFIER

Product Description

FACTANT™ emulsifier is a concentrated emulsifier suitable for use in all invert emulsion drilling fluids. FACTANT emulsifier is particularly beneficial in HTHP applications where it often provides secondary filtration controls as well as improved emulsion stability. Additions of FACTANT emulsifier after water in-flows helps improve emulsion stability and usually eliminates water in the HTHP filtrate. FACTANT emulsifier is compatible with all non-aqueous base fluids and is effective at low concentrations compared to other additives.

Applications/Functions

- » Helps control filtration rates
- » Helps provide strong emulsification
- » Helps replace traditional emulsifiers and filtration control agents

Advantages

- » Helps provide filtration control and emulsion stability at low concentrations
- » Compatible with other emulsifiers and wetting agents
- » Stable to 400°F (204°C)
- » Can allow formulation of deep-water fluids with excellent low temperature rheology

Typical Properties

- » Appearance: Dark viscous liquid
- » Specific gravity: 0.96
- » Pour point: 20 to 22°F (-5.6 to -6°C)

Recommended Treatment

Add 1 to 3 lb/bbl (2.9-8.6 kg/m³) FACTANT emulsifier with 2-4 lb/bbl (5.7-11.7 kg/m³) lime for controlling HTHP filtrate.

Add 3 to 4 lb/bbl (3.6-11.4 kg/m³) FACTANT emulsifier with a minimum of 2 lb/bbl (5.7 kg/m³) lime when formulating muds with no other emulsifiers.

Add 1 to 2 lb/bbl (2.9-5.7 kg/m³) LE SUPERMUL™ or DRILTREAT® additives if required as a wetting agent in FACTANT emulsifier muds as solids increase.

Packaging

FACTANT emulsifier is packaged in 5-gal (18.9-l) buckets, 15-gal (56.8-l) drums, 55 gal (208.2-l) drums and bulk.

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