



Technical Datasheet

OBM SECONDARY EMULSIFIER

Description

OBM Secondary Emulsifier is a high-quality grade of secondary emulsification agents for oil-based drilling fluids. OBM Secondary Emulsifier is widely used in different mud densities and oil/water ratios in order to increase thermal stability, improve resistance to contaminants and wetting solids in OBM systems.

Application

Main function of OBM Secondary Emulsifier is to serve as a wetting agent for drilling solids and weighting agents. It also lowers filtration properties and improves thermal stability. It can be used in workover and completion operations as well as drilling.

Advantages

- Improve thermal and emulsion stability
- Wetting the drill solids with oil phase
- Increase emulsion stability characteristic
- Reduce filtration volume
- Compatible with most types of regular oil-based muds
- Easy to mix
- Improve rheological stability
- Stable up to 300°F
- Increase resistance of the mud to the contaminants

Limitations

- Storage in places where temperature are less than 60°F (16°C) is not recommended.

Treatment

Depending on the required properties for Oil-based mud, normal concentrations for OBM Secondary Emulsifier ranges from 2 to 6 lb/bbl (5.6 – 16.8 Kg/M³) in oil-based muds. It should be added slowly through rig hoppers. Treatments must be performed on an incremental basis to prevent any overtreatment and cost increment. It should be added to the active mud as a treatment while drilling.

Packaging

OBM Secondary Emulsifier is available in 55-Gal Drum.

Typical Properties

Appearance	Dark semi- viscous liquid
Specific Gravity	0.8-1
Flash Point (°C)	120-150
Flash Point (°F)	40-60
Solubility	Insoluble in water Soluble in oil