



JET OXYNOL 100

DRILLING LUBRICANT/SHALE INHIBITOR

GENERAL DESCRIPTION

JET OXYNOL 100 is a selected blend of high molecular weight oxirane polymers with a varying range of cloud points. It phase changes from water dispersible to water insoluble over a wide range of temperatures. It is non toxic and environmentally friendly. JET OXYNOL 100 reduces torque and friction, increases penetration rates and reduces shale swelling during normal drilling operations, horizontal drilling, and sliding.

In many cases a JET OXYNOL 100 fluid can successfully replace oil base fluids.

APPLICATION

JET OXYNOL 100 is used to formulate a shale inhibiting drilling fluid at 10 to 35 pounds per barrel as required. Bentonite, polymers, dispersants, gilsonite, sodium or potassium hydroxide, and fluid loss additives are added as required for desired rheological properties.

Lower concentrations may be added to conventional muds for improvement in lubricity. It can be spotted to relieve differential sticking.

HANDLING

Normal precautions for industrial chemical apply.

TYPICAL PHYSICAL PROPERTIES

Specific Gravity	1.02-1.06
Density, lb/gallon	8.5-8.8
Flash point PMCC	>177 ⁰ C(350 F)
Pour point	-5 ⁰ to 0 ⁰ C
Solubility, water	nil/dispersible
Solubility, oil	nil/dispersible
Appearance	Opaque white/yellow
Physical form	viscous liquid

AVAILABILITY

JET OXYNOL 100 is available in bulk, 55 gallon drums and 5 gallon pails.