

# EP MUDLUBE®

Lubricant

Product Data Sheet

## Product Description

EP MUDLUBE® lubricant is used to impart extreme pressure lubricating properties to water-based drilling fluids. It readily absorbs on exposed surfaces to help provide a chemical film that can effectively reduce metal-to-metal friction. EP MUDLUBE lubricant helps reduce the wear on metal parts, helps reduce torque in high angle or horizontal drilling applications and can provide lubrication when higher than normal weight on bit and drillpipe rotational speeds occur. EP MUDLUBE lubricant is stable to 425°F (218°C) and mixes well with other lubricants for synergistic lubricating effects. It is recommended that mud systems containing black powders and EP MUDLUBE lubricant always be monitored for possible greasing issues. EP MUDLUBE lubricant is not suitable for use in calcium brines.

## Applications / Functions

- Helps increase extreme-pressure lubricating properties of drilling fluids
- Helps reduce wear of metal parts
- Helps reduce torque problems in high angle, horizontal drilling situations
- Helps provide lubrication during high stress situations (i.e. higher than normal weight on bit and drillpipe rotational speeds)

## Advantages

- Effective in small concentrations
- Helps reduce drillpipe torque

## Typical Properties

• Appearance	Thick black liquid
• Flash point, PMCC	146°F
• Flash point, PMCC	63°C
• Specific gravity	0.94

## Recommended Treatment

Add 2-6 lb/bbl (5.7 to 17.1 kg/m<sup>3</sup>) of EP MUDLUBE lubricant.

Note: The quantity of EP MUDLUBE lubricant in the initial treatment varies with the nature and amount of solids in the mud, the amount of oil, and the type and concentration of electrolytes in the mud. The initial treatment also varies with the load-bearing (film strength) capacity desired in the mud.

Using EP MUDLUBE lubricant in muds containing gilsonite or lignite may result in shaker screen blinding and greasing. Adding an oil or a coupling agent, such as LIQUI-DRIL™ surfactant, may prevent the blinding of shaker screens. Mud systems containing black powders and EP MUDLUBE lubricant must be monitored for possible greasing issues.

## Packaging

EP MUDLUBE lubricant is packaged in 5-gal (18.9-l) pails and in 55-gal (208-l) drums.

[www.halliburton.com/baroid](http://www.halliburton.com/baroid)

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