

# QLUBE

## Description

QLUBE is a proprietary vegetable oil based lubricant used in all types of water based drilling fluids and readily dispersible into the fluid with minimum shear.

## Applications

QLUBE is used as an effective lubricant for water based systems and it is compatible with other common mud components.

This product is recommended whenever there is a potential for torque and drag or differential sticking, especially in highly deviated wells and wells with significant differential between fluid and wellbore pressures.

## Features and Benefits

- Effective lubricant for most types of water based fluids.
- Reduces the risk of bit and BHA balling and the possibility of stuck pipe.
- Applicable in sensitive areas where environmental regulations prohibit the use of petroleum-based lubricants.
- Product with high performance at relatively low concentrations.
- Non foaming and no sheen.

## Typical Properties

Appearance	Liquid
Color	Amber
Specific Gravity	1.03
pH (2% vol. in water at 25°C)	6.0 – 7.0
Flash Point	200°F (93°C)

## Recommended Treatment

As a guideline, an initial concentration of 1 - 3% vol. is suggested. Weighted and/or high solids muds need a higher concentration of QLUBE than unweighted drilling fluids. After the initial treatment, periodic treatments should be made to maintain the desired concentration of the lubricant.

In Silicate based systems, the performance of QLUBE as lubricant may be limited. Measurements of the coefficient of friction are suggested in order to determine the product effectiveness and optimum concentration.

## Safety and Handling

Prior to using this product, refer to the safety data sheet for information on use of personal protective equipment, safe handling, storage, transport, and disposal.

## Packaging

QLUBE is packaged in 55 gal (208 L) drums.

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www.qmax.com – 11700 Katy Fwy, Ste 200, Houston, TX 77079 – Tel.: 832 672 4476