

## INFORMATION

# OILMUL-L

### PRIMARY EMULSIFIER

#### DESCRIPTION

OILMUL-L is a liquid formulation based on modified organic acids. The product is an excellent emulsifier for oil-base and invert emulsion fluids for use in drilling, spotting, coring, completing, and other oilfield applications. OILMUL-L is a dark-colored, viscous liquid with an aromatic odor. Specific gravity is approximately 0.936 (7.8 ppg).

#### APPLICATION

Principal application is as primary emulsifier in controlled-filtrate Messina Oilmul drilling fluids. OILMUL-L functions to stabilize the emulsion, aid suspension properties, and reduce filtration. The basic fluid is prepared from selected crude or refined oils, water or brine, OILMUL-L, and other additives to tailor performance as required.

#### RECOMMENDED TREATMENT

Dosage or concentration of OILMUL-L will vary with application and desired properties of the finished oil mud or invert emulsion fluid. A Messina representative should be consulted for specific formulation recommendations, however, the following guidelines are offered:

- In Standard OILMUL Fluids 1 gal/bbl (23.8 L/m<sup>3</sup>) or 7.8 ppb.
- In High-Temp OILMUL Fluids 1.0-1.5 gal/bbl (23.8-35.7 L/m<sup>3</sup>) or 7.8 to 11.7 ppb.
- In Relaxed-Filtrate Drilling Fluids 0-0.5 gal/bbl (0-11.9 L/m<sup>3</sup>) or 3.9 ppb.
- In all cases, hydrated lime (Ca(OH)<sub>2</sub>) should be used in conjunction with OILMUL-L at a ratio of approximately 1 part lime to 2 parts OILMUL-L by weight. Additional lime may be used to establish desired excess lime in the fluid. Quicklime (CaO) may be used in place of hydrated lime, but pilot tests should be conducted to determine optimum concentration

#### PACKAGING

OILMUL-L is packaged in 55 gal/208 litre lined steel drums containing approximately 430 lb/195 kg of product.

OILMUL-L is a Messina trademark