



KLEEN-MUL-L

LOW TOXICITY INVERT EMULSIFIER

DESCRIPTION

KLEEN-MUL-L is a liquid emulsifier and a key ingredient in Messina's Kleen-Mul low-toxicity invert emulsion drilling fluids. The product is a dark amber, slightly viscous liquid with a specific gravity of approximately 0.937 (7.8 ppg).

APPLICATION

KLEEN-MUL-L is a versatile water-in-oil emulsifier. KLEEN-MUL-L is specially-formulated for maximum efficiency and compatibility with low-toxicity mineral seal oils (Please refer to Kleen-Oil Product Data).

Kleen-Mul drilling fluids are frequently applied for the following purposes:

- Stabilize sensitive shales.
- Protect water-sensitive producing zones.
- Recovery of native-state cores.
- Freeing stuck drill pipe or casing.
- Completions, perforating, and drilling-in.

Kleen-Mul fluids are especially desirable in environmentally-sensitive areas, due to their low-toxicity to marine and other organisms.

RECOMMENDED TREATMENT

Dosage is variable, depending upon fluid characteristics, oil/water ratio, base oil used, and fluid application. In relaxed filtrate (Kleen-Mul-RF) fluids, KLEEN-MUL-L is usually absent or used at small concentrations. In controlled-filtrate Kleen-Mul fluids, dosage varies typically from 0.5 to 1.2 gal/bbl (11.9 to 28.5 L/m³).

PACKAGING

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

KLEEN-MUL-L is a Messina trademark