

# MUL P primary emulsifier

Creates a stable brine-in-oil emulsion

## Applications

- MUL P\* primary emulsifier for oil-based fluid systems is recommended for use
- Recommended for use with the MUL S\* secondary emulsifier to create a stable invert emulsion

## How it improves wells

The MUL P primary emulsifier and the MUL S secondary emulsifier perform as multi-functional emulsifiers. They improve brine-in-oil emulsion characteristics.

## How it works

MUL P emulsifier creates a stable brine-in-oil emulsion, improves HPHT fluid loss, improves electrical stability, and provides a stable rheological profile. Initial treatments usually range from 6 to 8 lbm/bbl depending on the oil/water ratio, mud density, and HPHT fluid loss target. Daily maintenance additions are usually recommended after the initial treatment in the 1- to 2-lbm/bbl range. MUL P emulsifier provides a stable emulsion up to 300 degF [149 degC] when used with a suitable secondary emulsifier, a high-performance organophilic clay, and HPHT fluid loss control additive. Pilot testing is strongly suggested to determine the actual treatment required to meet the desired fluid properties.

## Toxicity and handling

Handle with care. Wear protective equipment and observe precautions described in the Safety Data Sheet (SDS).

## Packaging and storage

Product is available in 55-galUS (208-L) drums and 264-galUS (1,000-L) tanks. Store in a dry, well-ventilated area. Keep container closed. Keep away from heat, sparks, and flames. Store away from incompatibles. Follow safe warehousing practices.

### Typical Physical Properties

Appearance	Dark amber liquid
Specific gravity	0.90–1.00

All specifications are subject to change without notice.