

QMUL I

Description

QMUL I is a tall oil derivative used as a primary emulsifier for oil based drilling fluid systems. It is cost-effective and provides emulsion stability and aids in fluid loss control in a wide range of fluids.

Applications

QMUL I is used to build invert emulsion drilling fluids with diesel and mineral oils. It is applicable in wide density and oil/water ratio ranges. It is typically used with a secondary emulsifier, lime, viscosifier and fluid loss additives to formulate an acceptable oil-based drilling fluid.

Features and Benefits

- Highly effective
- Compatible with a variety of base oils
- Provides tight emulsion
- High emulsion stability in a wide range of diesel qualities.
- Provides good fluid rheological properties even at high temperature > 300° F

Typical Properties

| | |
|-------------------------------|----------------|
| Appearance | Viscous Liquid |
| Color | Dark brown |
| Specific gravity (25° C) | 0.97-1.0 |
| Flash point, closed cup (° F) | 220 Min |
| Pour point (° F) | 28 |

Recommended Treatment

The typical dosage of QMUL I is at 3-12 ppb (8.5 – 34.2 kg/m³) along with a secondary emulsifier depending on the density, oil/water ratio and rheological requirement. Lime is required to fully activate the emulsifier.

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

QMUL I is available in 55 gal (208 L) metal drum, 264 gal (1m³) totes and in bulk.

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