

Product Data Sheet

Introduction

UBDrill-222 is comprised of amidoamine, oxidized fatty acids and non-toxic organic solvent. It serves as a secondary emulsifier in oil-base mud systems. When combined with primary emulsifier UBDrill-214, UBDrill-222 can provide good emulsification, improved thermal stability of the invert emulsion, and enhanced high-temperature, high-pressure (HTHP) filtration control. Through comprehensive tests in a number of oil-base mud formulations with various base oils, mud densities, oil/water ratios and hot-rolling temperatures.

Typical Properties

Appearance	dark mobile liquid
Flash point	> 65°C (149°F)
Pour Point	< -10°C (14°F)
Specific gravity	0.92 ~ 0.98
Odor	no or slight odor
Solubility	soluble in oil. Insoluble in water

Applications/Functions

- Prepares UBDrill-222 high performance oil-based drilling fluid system.
- Functions as secondary emulsifier and provide filtration control.
- Combination UBDrill-214/UBDrill-222 can maintain HPHT filtrate in a water-free state.
- Improves the thermal stability and contamination resistance of oil-based mud.

Advantages

- Temperatures stable up to 300 °F.
- Formulated to produce flatter gel strengths when compared against conventional emulsification packages.
- Effective and thermally stable across a broad temperature range.

Recommended Treatment

All personnel handling this material must handle it as an industrial chemical, wearing protective equipment and observing the precautions as described in the Material Safety Data Sheet (MSDS).

Package

- 200L/Drum

Store in dry, well-ventilated area. Keep container closed. Keep away from heat, sparks and flames. Store away from incompatibles. Follow safe warehousing practices regarding palletizing, banding, shrink-wrapping and /or stacking.