

Product Data Sheet

Introduction

UBDrill-214 is comprised of modified amidoamine, oxidized fatty acids and low-toxic organic solvent. It serves as a primary emulsifier in oil-base mud systems. It is formulated to give 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, it proves that at working temperature up to 149°C (300°F), UBDrill-214 can maintain high ES (electrical stability), low HTHP filtrate and desired rheological property.

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-214 high performance oil-based drilling fluid system.
- Functions as primary emulsifier and provide filtration control.
- Helps 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.