

IRON-THIN™

THINNER

Product Description

IRON-THIN™ thinner is a chrome-free iron lignosulfonate that helps control flow properties and filtration rates of water-based dispersed drilling fluids. The absence of added chrome makes IRON-THIN thinner ideally suited for use in areas where environmental concerns may limit the presence of chrome in drilling fluid systems. It can be used in fresh water or sea water based fluids at temperatures up to 350°F (177°C).

Applications/Functions

- » Helps improve flow properties in all kinds of water-based drilling fluids
- » Helps improve effective control of filtration rates for water-based muds approaching 350°F (177°C)

Advantages

- » Chrome-free, low toxicity thinner for environmentally sensitive areas
- » Helps provide effective contaminant tolerance against drilled solids, salt, cement, and anhydrite
- » Effective at low pH ranges (8.0 – 9.5)
- » Can be used in fresh water or sea water

Typical Properties

- » Appearance: Brown to black powder solid
- » pH, (10% aqueous solution): 5.5 maximum
- » Specific Gravity: 1.1
- » Bulk Density: 25lb/ft³ (400kg/m³)
- » Solubility: Water soluble

Recommended Treatment

- For freshwater systems add 2-6 lb/bbl (5.7-17.1 kg/m³) to the active mud system
- For sea water systems add 2-8 lb/bbl (5.7-22.8 kg/m³) to the active mud system.

Packaging

IRON-THIN thinner is packaged in 55.1-lb (25-kg) bags.

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