

## THINNER

### GENERAL INFORMATION

DRILL-THIN® Thinner is an environmentally compatible, high-performance, multipurpose mud conditioner for rheology control in water-based muds. It is a modified tannin compound that replaces chrome lignosulfonates. DRILL-THIN® Thinner works where other additives fail.

### ADVANTAGES

- Environmentally compatible
- Maximum deflocculation and shear strength reduction at low concentrations
- Soluble in systems of high salinity, high hardness, and at any pH
- Approximately 4 to 8 times more effective than chrome lignosulfonates, depending on conditions
- Scavenges oxygen and inhibits corrosion
- High-temperature rheology control - proven effective in excess of 400°F (204°C)
- Solution pH is 8.5± - no caustic needed to activate

### APPLICATION

Top hole and low solids, semi-dispersed muds	0,1 to 0,5 ppb (.3 to 2 kg/m <sup>3</sup> )
Supplement lignosulfonate, lignite muds	Ratio of 4 lignosulfonate to 1 DRILL-THIN® thinner
Deep, hot drilling where lignosulfonates degrade	Ratio of 4 lignite to 1 DRILL-THIN® thinner
Conditioning drilling muds for packer fluids (any density)	0,5 to 3 ppb (2 to 9 kg/m <sup>3</sup> ) for shear strength control
Saturated salt, inhibited or contaminated muds	0,25 to 3 ppb (.7 to 9 kg/m <sup>3</sup> )

### PACKAGING

DRILL-THIN® is packaged in 25-pound, multiwall paper sacks.