

Deflocculant (Modified Chrome Tannin)

Deflocculant is a proprietary tannin-based product used for rheology control in water-based muds. It is readily soluble over a wide range of temperatures and is effective in low concentrations without requiring the use of caustic soda.

Characteristics & Property

Application

Low pH Deflocculant System
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 Top Hole & Low Solids, Semi Dispersed Muds
 Supplement Lignosulfonate, Lignite Muds
 Deep, Hot Drilling where Lignosulfonates Degrade
 Saturated Salt, Inhibited or Contaminated Muds
 Conditioning Drilling Mud for Packer Mud (any density)
 Cement Preflush

Required Materials

1 to 4 ppb (3 to 11 kg/m³) Depending on MBT & Mud Weight
 .1 to .25 ppb (3 to .79 kg/m³)
 .1 to .5 ppb Deflocculant (.3 to 2 kg/m³)
 Ratio of 4 Lignosulfonate or Lignite to 1 Deflocculant
 Ratio of 4 lignite to 1 Deflocculant
 .25 to 3 ppb (.7 to 9 kg/m³)
 .5 to 3 ppb (2 to 9 kg/m³) for Shear Strength Control
 2 to 3 ppb (6 to 9 kg/m³)

Mud Types

Most water based mud formulations.

Mixing Requirement

Mix through Hopper.

Advantages

Maximum deflocculation and shear strength reduction at low concentrations.
 4 to 8 times more effective than lignosulfonates, depending on conditions.
 Soluble in systems of high salinity, high hardness and at any pH.
 Scavenges oxygen and inhibits corrosion.
 High-temperature rheology control; proven effective in excess of 4000F (2040C).
 Solution pH is 8.5± - no caustic needed to activate.
 Reduces the effects of cement contamination.

Toxicity & Handling

Bioassay information is available upon request. Handle as an industrial chemical, wearing protective equipment and observing the precautions as described on the Transportation and Material Safety Data Sheet (MSDS).

Packing & Storages

25-pound, multiwall paper sacks This material is supplied solely for informational purposes and UNIVERSAL makes no guarantees or warranties, either expressed or implied, with respect to the accuracy or use of this data. All product warranties and guarantees shall be governed by the Standard Terms of Sale.