

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	Required Materials
Low pH Deflocculant System	1 to 4 ppb (3 to 11 kg/m ³) Depending on MBT & Mud Weight
Low pH Deflocculant System	.1 to .25 ppb (.3 to .79 kg/m ³)
Top Hole & Low Solids, Semi Dispersed Muds	.1 to .5 ppb Deflocculant (.3 to 2 kg/m ³)
Supplement Lignosulfonate, Lignite Muds	Ratio of 4 Lignosulfonate or Lignite to 1 Deflocculant
Deep, Hot Drilling where Lignosulfonates Degrade	Ratio of 4 lignite to 1 Deflocculant
Saturated Salt, Inhibited or Contaminated Muds	.25 to 3 ppb (.7 to 9 kg/m ³)
Conditioning Drilling Mud for Packer Mud (any density)	.5 to 3 ppb (2 to 9 kg/m ³) for Shear Strength Control
Cement Preflush	2 to 3 ppb (6 to 9 kg/m ³)

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.