

Chrome-Free Desco® Deflocculant

Chrome-Free Desco® Deflocculant is a proprietary tannin-based product used for rheology control in water-based muds. It is very effective for rheology control in areas with the strictest environmental regulations. It is effective in low concentrations without requiring the use of caustic soda.

Advantages

- Environmentally compatible
- Maximum deflocculation at low concentrations
- Soluble in systems of high-salinity, high-hardness and at any pH
- 4 to 8 times more effective than Chrome Free lignosulfonates, depending on conditions
- Temperature tolerance in excess of 300°F (149°C)
- Solution pH is 8.5± - no caustic needed to activate

Applications	Material Needed
Low solids, semi-dispersed muds	0.1 to 0.5 ppb (0.3 to 2 kg/m ³)
Supplement lignosulfonate, lignite muds	Ratio of 4 Chrome Free lignosulfonate to 1 Chrome Free Desco® Deflocculant
Deep, hot drilling where lignosulfonate starts to degrade	Ratio of 2-4 Chrome Free lignosulfonate to 1 Chrome Free Desco® Deflocculant
Conditioning drilling muds for packer fluids (any density)	0.5 to 3 ppb (2 to 9 kg/m ³) for shear strength control
Inhibited KCl, lime or GYP muds	0.5 to 3 ppb (2 to 9 kg/m ³)
Cement preflush	0.5 to 3 ppb (2 to 9 kg/m ³)

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Cost

Total well costs are often lower as a result of higher product efficiency, fewer mud problems and less rig time. Chrome Free Desco® Deflocculant's high potency results in lower costs for trucking, inventory, and handling.

Mud Types

Most water-based mud formulations

Mixing Requirements

Mix through hopper

Handling

For specific instructions on handling, refer to the MSDS.

Packaging

25-pound, multiwall paper sacks

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