

Chrome-Free Desco[®] Deflocculant



A DIVISION OF CHEVRON PHILLIPS
CHEMICAL COMPANY LP

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.

Chrome-Free Desco[®] Deflocculant is used the same way Desco[®] Deflocculant is used today. Chrome-Free Desco[®] Deflocculant can be used in freshwater, seawater and salt water drilling fluids, as a conditioner for drilling fluids used as packer fluids and in cement pre-flushes.

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 approximately 8.5 and no caustic soda is needed to activate

Cost

Total well costs are often lower as a result of higher product efficiency, fewer mud problems and less rig time. Chrome-Free Desco[®] Deflocculants 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 refer to MSDS information or as illustrated on product containers

Packaging

25-pound (11.3 kg), multilayered export light blue and tan bags, 80 bags to a pallet

Application	Material Needed
Low pH Desco [®] Deflocculant System	1 to 4 ppb (3.0 to 11 kg/m ³) depending on MBT & mud weight
Defoamer in salt water muds	0.1 to 0.25 ppb (0.3 to 2.0 kg/m ³)
Top hole and low solids, semi-dispersed muds	0.1 to 0.5 ppb (0.3 to 2.0 kg/m ³)
Supplement CF lignosulfonate, lignite muds	Ratio of 4 CF lignosulfonate or lignite to 1 Chrome Free Desco [®] Deflocculant
Saturated salt, inhibited or contaminated muds	0.25 to 3.0 ppb (0.7 to 9.0 kg/m ³)
Conditioning drilling mud for packer mud (any density)	0.5 to 3.0 ppb (2.0 to 9.0 kg/m ³) for shear strength control
Inhibited KCl, lime, or GYP muds	0.5 to 3.0 ppb (6.0 to 9.0 kg/m ³)

Before using this product, the user is advised and cautioned to make its own determination and assessment of the safety and suitability of the product for the specific use in question and is further advised against relying on the information contained herein as it may relate to any specific use or application. It is the ultimate responsibility of the user to ensure that the product is suited and the information is applicable to the user's specific application. Drilling Specialties Company does not make, and expressly disclaims, all warranties, including warranties of merchantability or fitness for a particular purpose, regardless of whether oral or written, express or implied, or allegedly arising from any usage of any trade or from any course of dealing in connection with the use of the information contained herein or the product itself. The user expressly assumes all risk and liability, whether based in contract, tort or otherwise, in connection with the use of the information contained herein or the product itself. Further, information contained herein is given without reference to any intellectual property issues, as well as federal, state or local laws which may be encountered in the use thereof. Such questions should be investigated by the user.