

Drispac[®] Plus Polymer



A DIVISION OF CHEVRON PHILLIPS
CHEMICAL COMPANY LP

Drispac[®] Plus Polymers are high-quality Polyanionic cellulose polymers. They are used for inhibition, water-loss control and viscosity in water-based muds. Drispac[®] Plus Polymer comes in two viscosity grades: regular (high viscosity) and Superlo[®] Polymer (medium viscosity). The highly dispersible Drispac[®] Plus Polymer resists the formation of "fisheyes," even under the poorest mixing conditions and may be added rapidly to the system if desired.

Advantages

- Controls fluid loss
- Promotes fragile gels
- Inhibits hydrateable, swelling shales
- Increases resistance of clay mud to contamination
- Non-fermenting, no preservative needed
- Good thermal stability $\geq 300^{\circ}\text{F}$ in most water-base drilling fluids
- Produces thin, slick, tough filter cake
- Environmentally compatible
- Retards drilled solids build-up by inhibiting cuttings disintegration
- Eliminates fisheyes in the mud
- Reduces friction and can reduce ECD
- Works well on rigs with poor mixing facilities
- Works well at any salinity

Drispac[®] Plus Regular and Drispac[®] Plus Superlo[®] Polymers

Application	Material Needed
Fluid-loss control	0.1 to 3.0 ppb (0.3 to 9.0 kg/m ³)
Inhibition/encapsulation	0.75 to 3.0 ppb (2 to 9.0 kg/m ³)
Improved filter cake	0.5 ppb (2.0 to kg/m ³)
Improved and Stabilized Rheology	0.5 to 1.0 ppb (2.0 to 3 kg/m ³)
Reduce stuck pipe frequency	0.5 to 0.75 ppb (1.0 to 2.0 kg/m ³)
Improved hole cleaning	0.5 to 3.0 ppb (2 to 9.0 kg/m ³)

Cost

The mixing efficiency of Drispac[®] Plus Polymer reduces loss of active product and promotes lower mud and total well costs. The purity and assured high quality of the products are also strong contributors to lower overall mud cost.

Mud Types

Water-based drilling and drill-in fluids, work over fluids and completion fluids of any salinity. Most efficient performance with calcium below 500 ppm. Slightly more polymer needed at higher calcium levels.

Mixing Requirements

Drispac[®] Plus Polymer: Mix through conventional jet hopper. May be mixed at higher rates than traditional PAC Polymers.

Handling

For specific instructions on handling, refer to the MSDS.

Packaging

Drispac[®] Plus Polymer: Both grades 50-pound, multiwall paper sacks.

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.