

DrilStar®

P

DrilStar P® is a cold-water soluble, low viscosity, non-ionic starch polymer for use in all water-based drilling, completion, and stimulation fluids. DrilStar P is a natural polysaccharide designed to provide rapid, economical filtration control in a variety of oil and gas operations.

DrilStar P meets API specifications according to Spec 13A, Section 11.

DrilStar P is a premium grade potato-based product. It provides superior fluid loss control to 250° F in high-hardness, high-pH and gypsum muds. DrilStar P also finds applications in stimulation product blends where enzymatic breakers are used to assist cleanup.

Appearance

DrilStar P is a free-flowing off-white powder. Aqueous solutions run from opaque to translucent.

Hydration

DrilStar P hydrates quickly in cold water. During production, it undergoes a pre-gelatinization process that converts the polymer from an insoluble form to a cold-water dispersible form.

Solution Preservation

Extended storage of DrilStar P solutions could result in viscosity reduction due to microbial or enzymatic attack. Best results stem from use of appropriate biocide for general mud system stability. If a preservative treated product is required, refer to our Starlose® series of products.

Storage, Handling and Safety

Due to the hygroscopic nature of DrilStar P, it is highly recommended that the material be stored in its original package in a dry facility. Shelf life can be affected by storage conditions such as temperature, humidity and overall surroundings of the storage area. A Safety Data Sheet is available from Chemstar and should be consulted prior to handling or using DrilStar P.

Availability

DrilStar P is available in 50 lb or 25 kg multi-wall (PE liner) paper bags. 35-50 bags to a pallet. For additional information, samples or technical assistance in using DrilStar P or any other Chemstar product please contact 1-800-328-5037 or info@chemstar.com.

Typical Analysis

DrilStar P	
Base Starch	Potato
Form	Powder
pH (6% solution)	5.0 – 8.0
Moisture (%)	12 max
Bulk Density (lb/ft ³)	35 – 50
Particle Size (% thru)	99 (-) 850 micron
Appearance	White
Typical Usage Level	4 – 6 ppb (11.4 – 17.1 kg/m ³)
Ionic Character	Nonionic



TECHNICAL DATA SHEET

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