

DrilStar[®] HT

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

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

DrilStar HT is a premium grade white corn-based product for all types of drilling and completion fluids. It is particularly suited for use in high-hardness, saturated-salt, high-pH and gypsum muds. DrilStar HT provides superior fluid loss to 225° F static bottom-hole temperatures.

Appearance

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

Hydration

DrilStar HT 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 HT 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 HT, 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 HT.

Availability

DrilStar HT 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 HT or any other Chemstar product please contact 1-800-328-5037 or info@chemstar.com.

Typical Analysis

DrilStar HT	
Base Starch	Corn
Form	Powder
pH (6% solution)	5.0 – 8.0
Moisture (%)	12 max
Bulk Density (lb/ft ³)	20 – 35
Particle Size (% thru)	99 (-) 850 micron
Appearance	Off White
Typical Usage Level	4 – 6 ppb (11.4 – 17.1 kg/m ³)
Ionic Character	Nonionic



TECHNICAL DATA SHEET

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