

DrilStar[®] EW

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

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

DrilStar EW is a high quality white corn-based product. It offers more efficient filtration control and improved temperature tolerance than DrilStar Y.

Appearance

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

Hydration

DrilStar EW 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 EW 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 EW, 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 EW.

Availability

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

Typical Analysis

DrilStar EW	
Base Starch	Corn
Form	Powder
pH (6% solution)	5.0 – 8.0
Moisture (%)	12 max
Bulk Density (lb/ft ³)	30 – 50
Particle Size (% thru)	99 (-) 850 micron
Typical Usage Rate	4-6 ppb (11.4 – 17.1 kg/m ³)
Ionic Character	Non-ionic



TECHNICAL DATA SHEET

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