

DrilStar W[®]

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

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

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

Hydration

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

Appearance

DrilStar W is a free-flowing, white powder with opaque to translucent aqueous solutions.

Solution Preservation

Extended storage of DrilStar W 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. Preservative treated product is also readily available.

Storage, Handling and Safety

Because of the hygroscopic nature of DrilStar W, 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 and should be consulted prior to handling or use.

Availability

DrilStar W is available in 50 lb multi-wall poly-lined paper bags for truckload and LTL shipments. For additional information, samples or technical assistance in using DrilStar W please contact 1-800-328-5037 or info@chemstar.com



Typical Analysis

White Starch	
Base Starch	Corn
Form	Powder
pH (6% Solids)	5.0 – 8.0
Moisture (%)	12 Max
Density (lb/ft ³)	25 – 45
Particle Size (% thru)	100 (-) 850 micron 70 minimum (-) 180 micron
Appearance	White
Typical Usage Rates	4 – 6 ppb (11.4 – 17.1 kg/m ³)
Ionic Character	Nonionic

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