

DRILLZAN[®] D Biopolymer



DRILLZAN[®] D Biopolymer is an economical xanthan gum biopolymer utilizing unique, patented dispersion chemistry which significantly enhances product dispersion and solubility and reduces the formation of fisheyes.

DRILLZAN[®] D Biopolymer is a versatile product that can be used in most types of water-based fluids for rheology modification, hole cleaning and solids suspension. It is also compatible with other mud additives commonly used in these fluids. DRILLZAN[®] D Biopolymer performs effectively in freshwater- and saltwater-based muds, as well as in various brine-based workover and completion fluids over a wide range of pH.

Advantages

- Excellent viscosifier
- Stable rheology control
- Excellent suspension characteristics
- Produces shear thinning fluid for optimum penetration rates
- Performs well in fresh water, seawater, brine and saturated salt environments
- Rapid dispersion without fisheyes
- Minimizes formation damage
- Reduces circulating pressure losses
- Effective friction reducer

Cost

Extremely efficient dispersion and dissolution, along with high inherent viscosity development, make DRILLZAN[®] D Biopolymers cost effective.

Mud Types

All known water-based formulations, drill-in, completion and workover fluids

Mixing Requirements

Conventional mud mixing hopper

Handling

For specific instructions on handling, refer to the MSDS.

Packaging

25-pound and 25-kg multiwall 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.

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Application	Material Needed
	DRILLZAN[®] D Biopolymer
Horizontal drilling & completions	.25 to 2 ppb (.7 to 6 kg/m ³)
Drill-in fluids	.25 to 2 ppb (.7 to 6 kg/m ³)
Drilling large-diameter well bores	.5 to 2 ppb (2 to 6 kg/m ³)
Solids-free drilling, completion, workover	.5 to 2 ppb (2 to 6 kg/m ³)
Coring fluids	.25 to .2 ppb (.7 to 6 kg/m ³)
Gravel packing operations	1 to 2 ppb (3 to 6 kg/m ³)
Clean perforating fluids	.25 to 2 ppb (.7 to 6 kg/m ³)
Coiled tubing friction reducer	.2 to .5 ppb (.6 to 2 kg/m ³)
Crosslinked profile modification, lost circulation	1 to 2 ppb (3 to 6 kg/m ³)
15% hydrochloric acid viscosifier	1.5 to 2.5 ppb (4 to 7 kg/m ³)

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