

VIS-STAR ULTRA



VIS-STAR ULTRA is a 40% active, high-molecular-weight anionic liquid polymer designed to provide cuttings encapsulation, fluid loss and shale stabilization. VIS-STAR ULTRA acts as a viscosifier, friction reducer and flocculant, and can be used in both fresh and saline make up water.

Application

VIS-STAR ULTRA polymer systems provide excellent cuttings encapsulation and improved wellbore stability in fresh, weighted, KCl or NaCl enhanced fluids. VIS-STAR ULTRA may be used in clear-water, solids-free drilling fluids. It increases viscosity, removes solids by flocculation, provides cuttings encapsulation and improved well-bore stability. In reduced- bentonite fluids, VIS-STAR ULTRA acts as a bentonite extender to increase viscosity, flocculates drill solids for more efficient removal, encapsulates solids and improves well-bore stability. VIS-STAR ULTRA viscous sweeps are effective for periodic hole cleaning.

Advantages

- Provides excellent cuttings encapsulation and limits cuttings dispersion
- Provides improved shale stabilization
- Enhances the removal of drill solids
- Mixes and yields easily
- Aids in preventing balling on the bit, stabilizers and bottom-hole assembly by coating and lubricating solids
- Applicable in most water-based mud systems

Typical Usages

Typical Amounts of VIS-STAR ULTRA Added to freshwater			
Drilling Application	qt/100 gal	L/m ³	gal/bbl
Stabilizing water sensitive formations	0.75	2	0.3
Reducing torque/Increasing hole stability	1	2.5	0.4
Low-Solids, Non-Dispersed	0.4	1	0.2
3% KCl drilling system	1.5	3.75	0.6
Injection liquid in air/foam application	0.3 - 0.6	1 - 1.5	0.15

Properties

Physical Appearance	Cream colored, opaque liquid
Specific Gravity	1.08
pH (1% solution)	8.0 - 9.0
Pour Point	-20 °F (-28.9 °C)
Odor	Slightly hydrocarbon

Packaging

VIS-STAR ULTRA is packaged in 5 gallon (18.9L) buckets or in 1 m3 totes.

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IMPORTANT: The information contained here in supersedes all previous versions, and is believed to be accurate and reliable. For the most up to date information, please visit www.northstarfluids.com. NorthStar Fluid Solutions accepts no responsibility for the results obtained through the application of this information. All weights are approximate. NorthStar Fluid Solutions reserves the right to update information without notice.