

STAR-DRILL 2000



Certified to
NSF/ANSI 60



STAR-DRILL 2000 is a 50 % active synthetic polymer developed for use in freshwater and saltwater base drilling fluids. STAR-DRILL 2000 is a unique dispersion grade liquid PHPA that resists freeze/thaw degradation and phase separation.

STAR-DRILL 2000 viscosifies rapidly and exhibits excellent hole-cleaning characteristics under low shear rates. It provides easy solids deposition in settling pits when used in core drilling. STAR-DRILL 2000 used alone or with KCL or substitutes will stabilize active shales by encapsulating the drilled cuttings and inhibiting formation swelling. STAR- DRILL 2000 creates thicker, stronger drill foams improving the cuttings-carrying capacity of the fluid and resisting water inflows.

Application

Advantages

- Concentrated polymer content with longer shelf life than other liquid polymers
- Stabilizes clay, shale and mudstone formations
- Compatible with most drilling fluids additives
- Excellent all-round lubricant
- Can be used with foam to help stabilize loose formations and improve cuttings carrying
- Can act as a flocculant

Typical Usages

Typical Amounts of STAR-DRILL 2000 Added to freshwater			
Drilling Application	gal/100gal	gal/bbl	L/m ³
Freshwater	0.6	0.25	6
Reducing torque & pump pressure	1	0.4	10
Low-Solids, Non-Dispersed (LSND)	0.3	0.13	0.3
3% KCl drilling system	1.2	0.5	12
Injection liquid in air/foam application	0.3 - 0.9	0.13 - 0.38	3 - 9
Flocculant	Bottle test to determine the effective dosage		

Properties

Physical Appearance	White, liquid dispersion
Specific Gravity	1.06 - 1.08
Kinematic Viscosity	200 - 500 cP
pH (1% solution)	6.5 - 7.5
Flash Point	248 F (120 C)

Packaging

STAR-DRILL 2000 is packaged in 5 gallon (18.9L) buckets

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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.