

STAR-PLEX



STAR-PLEX is a specialty product used to enhance Hi-Yield Bentonites. STAR-PLEX viscosifier is an inorganic extender for water-base bentonite drilling fluids.

Application

STAR-PLEX allows the formulation of fluids with exceptional LSRV – a drilling fluid with both excellent dynamic and static fluid characteristics. This is indicated by high yield point and low plastic- viscosity readings. When not circulating, the mud instantly returns to a gelled state and immediately suspends drilled cuttings. STAR-PLEX is compatible with anionic products such as detergents or polymers, unlike other inorganic bentonite extenders like mixed-metal oxide (MMO).

Advantages

- High rate of penetration
- Excellent cuttings transport
- Excellent cuttings suspension
- Borehole stabilization through “gel locking” in the formation

Typical Usages

Typical Amounts of STAR-PLEX Added to freshwater	
Once the Hi-Yield Bentonite is hydrated add 3-lb (1.5-kg) STAR-PLEX (1.5 vis cups) and mix for 5minutes	
STAR-PLEX is typically mixed in a 20:1 ratio with bentonite. Increasing the bentonite to STAR-PLEXratio will increase carrying capacity and gel strengths	
Mix in small amounts in standard bentonite systems to provide high-viscosity hole cleaning “sweeps”	

Advantages

Physical Appearance	White to beige free-flowing powder
Specific Gravity	2.8 – 3.1
pH (1% solution)	6.5 – 8.0

Packaging

STAR-PLEX is packaged in 25-lb (11.3-kg) multi-wall paper sacks at 80 per plt and 25lb bkts at 64/plt.

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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.