

STAR-TECH 151



STAR-TECH 151 polymer blend is designed to provide cuttings encapsulation, fluid loss and shale stabilization. STAR-TECH 151 acts as a viscosifier and friction reducer and works well for setting surface casing.

Application

STAR-TECH 151 systems provide excellent cuttings encapsulation and improved wellbore stability. Thicker mixtures should be used when groundwater and highly fractured formations are encountered. Thicker solutions of STAR-TECH 151 may be required to coat the borehole and casing when setting casing. STAR-TECH 151 may be mixed as required for air drilling

Advantages

- Provides excellent cuttings encapsulation and limits cuttings dispersion
- Provides improved shale stabilization and has excellent shear resistant properties
- Enhances the removal of drill solids
- Mixes and yields easily
- Aids in preventing balling on the bit, stabilizers and bottom-hole assemblies by coating and lubricating solids
- Functions to stabilize unconsolidated ground and prepares the upper hole to receive casing - as a result, casing removal is greatly improved.

Typical Usages

Typical Amounts of STAR-TECH 151 Added to freshwater		
Application	qrt/300 gal	L/m ³
Normal Drilling	1-1/2	1 - 1.25
STAR-TECH 151 may be mixed directly into the active mud system		
Sweeps may be accomplished by mixing STAR-TECH 151 directly in the active system at the suction pit or by pouring small quantities (0.5 to 1 cup) directly into the drill string during connections		

Properties

Physical Appearance	Brown colored liquid
Specific Gravity	0.98
pH (1% solution)	8.0 - 9.0
Flash point	>200° F (93.3° C) (PMCC)

Packaging

STAR-TECH 151 is packaged in a 5 gallon (18.9L) bucket