



BAROID TUNNEL-GEL[®] SW

Viscosifier



Description TUNNEL-GEL[®] SW viscosifier is a specially formulated bentonite-based drilling fluid additive designed to viscosify brackish or saline make-up water. Fluid systems designed with TUNNEL-GEL SW viscosifier assist in providing borehole stability, filtration control and improved carrying capacity in Drilled Shafts, Tunneling, Horizontal Directional Drilling and other construction applications.

Applications/Functions *The use of TUNNEL-GEL SW viscosifier assists or promotes the following:*

- Effective viscosifier in brackish to highly saline make-up water
- Improved carrying capacity
- Enhanced filtration control and borehole stability
- Enhanced borehole stability

- Advantages**
- Allows for the use of saline water for fluid development
 - Provides lubricity in resulting drilling fluid
 - Promotes enhanced fluid stability in saline environments

Typical Properties

• Appearance	Light Gray to Tan
• Specific Gravity	2.4
• Bulk Density ,lb/ft ³	50

Recommended Treatment

Approximate Amounts of TUNNEL-GEL [®] SW Viscosifier Added to Saline or Freshwater-Based Fluids		
Lbs/bbl	Lbs/100 Gallons	Kg/m ³
8.4 – 14.7	20 – 35	24 - 42

Note: It is recommended that Soda Ash (sodium carbonate) be added to the make-up water (saline or freshwater) prior to addition of TUNNEL-GEL SW viscosifier for reduction of excess calcium and pH adjustment.

Packaging TUNNEL-GEL SW viscosifier is packaged in 50-lb (22.7-kg) multiwall paper bags.