



# TUNNEL-GEL®

Viscosifier/Gellant

**Description** TUNNEL-GEL® viscosifier is a single-sack, bentonite slurry additive specially formulated for use in large HDD and micro-tunnelling applications. TUNNEL-GEL viscosifier provides slurry viscosity to aid in the transport of spoils, permits removal of solids through separation equipment, and promotes ground stability while providing effective filtration control.

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

- Effective slurry viscosity
- Carrying capacity to transport spoil
- Effective filtration control and stabilization of permeable formations
- Stability at the face in poorly consolidated formations

- Advantages**
- Single-sack product
  - Easy to mix and quickly reaches maximum viscosity
  - Non-fermenting

- Typical Properties**
- Appearance Grey to tan powder
  - Specific Gravity, g/cm<sup>3</sup> 2.6
  - pH (3% Solution) 10.4

- Recommended Treatment**
- Using a Venturi hopper, or into a colloidal mixer, add TUNNEL-GEL, viscosifier, slowly and uniformly to the entire circulating system or mix tank.

Approximate Amounts of TUNNEL-GEL Viscosifier Added to Water Based Fluids		
lbs/bbl	lbs/100 gallons	kg/m <sup>3</sup>
10.5 – 21	25 – 50	30 – 60

**Packaging** TUNNEL-GEL viscosifier is packaged in 25-kg (55.1-lb) multiwall paper sacks and 1000-kg (2205-lb) bulk bags.

**Availability** TUNNEL-GEL viscosifier is a regionally available product and not intended for distribution and sale within North America. Please check product availability through your local Baroid Industrial Drilling Products Retailer. To locate the Baroid IDP retailer nearest you contact the Customer Service Department in Houston or your area IDP Sales Representative.

**Baroid Industrial Drilling Products  
Product Service Line, Halliburton**

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