

TURBO-GEL



TURBO-GEL is special blend of bentonite and high quality additives providing a very versatile fluid system. TURBO-GEL provides pH, suspension, well bore stability, exceptional hole cleaning, filtration control and helps reduce torque and drag. TURBO-GEL is very versatile and can be used where gel chemical systems are normally required. TURBO-GEL is non-toxic and environmentally safe.

Application

TURBO-GEL is used to increase viscosity, improve well bore stability, control filtration and help reduce torque and drag in both vertical and horizontal wells. TURBO-GEL is a cost-effective solution for shallower wells and eliminates the need for engineering gel chemical systems. Typical concentrations for TURBO-GEL range from 15 to 30 lb/100 gal (18 to 35 kg/m³).

Advantages

- One-sack product for ease of mixing
- Reduces the number of products required on location
- Rapidly develops a strong yield point, high and at gel strengths and fluid loss control
- Provides lubricity and well bore stability for ease of drilling and stability of water sensitive clay shales
- Non-toxic and environmentally safe

Typical Usages

Typical Amounts of TURBO-GEL Added to freshwater			
Drilling Application	lb/100 gal	lb/bbl	kg/m ³
Normal drilling	20 - 25	8.5 - 10	24 - 28
Clay/Shale	10 - 15	4 - 6	11 - 17
Unconsolidated Geology	25 - 30	10 - 13	28 - 37

Properties

Physical Appearance	Light Tannish Gray Powder
Specific Gravity	2.3 - 2.6
Bulk Density	48-52 lb/ft ³ (769 - 833 kg/m ³)

Packaging

TURBO-GEL is packaged in 50-lb (22.7-kg) multi-walled sacks; 48 per pallet.

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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.