



# BARO-GEL™

## Viscosifier

**Description** BARO-GEL™ viscosifier, is an easy-to-mix, finely ground (200 mesh), specially selected sodium activated bentonite for the vertical drilling industry. BARO-GEL viscosifier imparts viscosity, fluid loss control, and gelling characteristics to freshwater-based drilling fluids.

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

- Mix with fresh water to form a low-solids drilling fluid for general drilling applications
- Viscosify water-based drilling fluids
- Reduce filtration by forming a thin filter cake with low permeability
- Improve hole-cleaning capability of drilling fluids

**Advantages**

- Single sack product and cost-effective
- Can provide lubricity for drilling fluids
- Can mix easily and quickly reaches maximum viscosity
- Can yield more than twice as much drilling fluid of the same viscosity as an equal concentration of an API oilfield grade bentonite.

**Typical Properties**

- Appearance Grey to Tan Powder
- Bulk Density 900 kg/m<sup>3</sup> ± 10%
- pH (3% solution) 8.9

**Recommended Treatment** Mix slowly through a high shear, jet mixer or sift slowly into the vortex of a high-speed stirrer or mixer.

Approximate Amounts of BARO-GEL viscosifier Added to Freshwater, kg/m <sup>3</sup>	
Normal Drilling Conditions	18 - 30
Unconsolidated Formations	30 - 42

**Additional Information** **Note:** It is always recommended that the make-up water be properly tested to assess the Total Hardness and pH of the water prior to mixing. This practice will assist the user in gaining optimum yield and performance of the product during use.

Target Water Quality:

Total Hardness: Less than or equal to 100 mg/l

pH Range: Between 8.5 and 9.5

Pre-treat make-up water as needed with Soda Ash based on testing results. Slowly add Soda Ash at a general concentration of 0.5 – 1.0 kg/m<sup>3</sup> through a high-shear mixer/hopper to facilitate uniform distribution throughout the active system.

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**Packaging** BARO-GEL™ viscosifier is packaged in 25-kg bags

**Availability** BARO-GEL is a regionally sourced product and may not be available through all Baroid Industrial Drilling Products Retailers. To locate the appropriate Baroid IDP retailer nearest you contact CEBO Holland.

**CEBO Holland, BV**

**Authorized Retailer, Baroid IDP**

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