



# BAROID AQUAGEL GOLD SEAL<sup>®</sup>

Premium Sodium Bentonite

**Description** AQUAGEL GOLD SEAL<sup>®</sup> is a premium, Wyoming sodium bentonite that contains no polymer additives of any kind. AQUAGEL GOLD SEAL is a 200 mesh dry-powdered clay that can be added directly to fresh water or freshwater drilling fluids. AQUAGEL GOLD SEAL functions as a viscosifier and filtrate reducer in freshwater drilling fluids.

**Applications/Functions**

- Can viscosify freshwater drilling fluids
- Can reduce filtration by forming a thin filter cake with low permeability
- Can improve hole cleaning capabilities
- Promotes hole stability in poorly consolidated formations

**Advantages**

- NSF/ANSI Standard 60 certified
- Ideal for geotechnical drilling and environmental monitoring well drilling applications
- Helps develop gel structure for cuttings suspension
- Filter cake easily removed from formation by the back flow
- Helps provide lubricity in drilling fluids

**Typical Properties**

• Appearance	Variable-colored powder (gray to tan)
• Bulk density, lb/ft <sup>3</sup>	68 to 72 (as packaged)

**Mixing Instructions** Mix slowly through a jet mixer or sift slowly into the vortex of a high-speed stirrer.

**Recommended  
Treatment**

Approximate Amounts of AQUAGEL GOLD SEAL® viscosifier Added to Fresh Water or to Freshwater Drilling Fluids			
Application/Desired Result			
Added to Fresh Water	lb/100 gal	lb/bbl*	kg/m <sup>3</sup>
Under normal drilling conditions	30-50	13-22	35-60
To stabilize caving formations	60-80	25-35	70-100
To stop circulation loss	70-95	30-40	85-110
Added to Freshwater Drilling Fluid	lb/100 gal	lb/bbl	kg/m <sup>3</sup>
Under normal drilling conditions	10-25	4-10	11-28
To stabilize caving formations	20-45	9-18	25-50
To aid in control of lost circulation	25-50	10-20	28-56

\* 1 bbl = 42 U.S. gallons

**Packaging**

AQUAGEL GOLD SEAL premium bentonite is packaged in 50-lb (22.7 kg) multiwall paper bags.