



# PRIME-GEL

## Premium Sodium Bentonite / Viscosifier / Filtrate Reducer

### Description

**PRIME-GEL** is a 200 mesh, superior-grade, treated, sodium bentonite which meets or exceeds the current edition of API Specification 13A, section 9 bentonite requirements. **PRIME-GEL** functions as a viscosifier, suspending agent and filtrate reducer in freshwater drilling systems.

### Application

- Hydraulic Barriers
  - Seepage Cut-Off Walls
  - Reservoirs
  - Landfills
  - Hazardous Material Containment
- Drilling Fluids
  - Oil Well Drilling
  - Mineral Exploration Drilling
  - Water Well Drilling
  - Seismic Drilling
  - Caisson Drilling
  - Horizontal Drilling

### Typical Properties

Product Description	Typical PRIME-GEL	API 13A, Sec. 9 Specifications
Density	66 PCF Compact	-
pH	8.5 to 9.0	-
Barrel Yield	90 minimum	-
Viscometer 600 rpm	42	30 minimum
YP/PV Ratio	1.5	3 maximum
Filtrate Volume	13.7 cm <sup>3</sup>	15.0 cm <sup>3</sup> maximum
Residue > 75 Micrometers	3.0 wt. %	4.0 wt. % maximum
Moisture	7-12 wt. %	-

### Advantages

- Meets or exceeds API Spec 13A Section 9, bentonite standards
- NSF/ANSI Standard 60 Certified
- Cools and lubricates drill bit
- Mixes quickly and easily in freshwater or freshwater drilling fluids
- Reduces fluid loss into the formation
- Removes cuttings
- Stabilizes borehole
- Excellent hard water performance

### Recommended Treatment

#### Approximate Amounts of PRIME-GEL Added to Fresh Water

Condition	lb/100 gal	lb/bbl	kg/m <sup>3</sup>
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

### Packaging

**PRIME-GEL** is available in 50 and 100 lb. multi-wall paper bags, 3000 lb. super sacks, and bulk shipments.

### Availability

To order **PRIME-GEL** please contact us at:

**Western Clay Company**  
 PO BOX 127  
 Aurora, Utah 84620  
 Phone: 435-529-3281  
 Toll Free: 800-982-7960  
 Fax: 435-529-3714



Certified to  
NSF/ANSI 60