

# PRIME-GEL

Sodium Bentonite / Viscosifier / Filtrate Reducer



**Description** PRIME-GEL is an API certified, 200 mesh, 90 barrel yield, premium-grade sodium bentonite which complies with the current edition of API Specification 13A, section 9 requirements. PRIME-GEL functions as a viscosifier and filtrate reducer in freshwater drilling systems.

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- 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
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Typical Properties	Product Specification	Typical PRIME-GEL	API 13A, Sec. 9 Specifications
	Color	tan to beige	-
	Density	66 PCF Compact	-
	pH	8.5 to 9.0	-
	Swell	1400 to 1800%	-
	Barrel Yield	90 minimum	-
	Viscometer 600 rpm	40	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.%	-

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- Advantages**
- American Petroleum Institute (API) Certified
  - 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
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**Recommended Treatment**

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

Condition	lb	lb/bbl	kg/m <sup>3</sup>
	/100 gal		
Normal Drilling Conditions	3	13-22	35-60
To stabilize caving formations	0-5	25-35	70-100
To stop circulation loss	0-6	30-40	85-110

**Packaging** PRIME-GEL viscosifier is packaged in 50 and 100 lb. multi-wall paper bags, super sacks, and can be loaded in bulk on pneumatic trailers.

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



**H & H Environmental, Inc.**

PO BOX 4581  
 Grand Junction, CO 81502  
 Phone: (970) 243-2700  
 Toll Free: 800-952-0802  
 Fax: (970) 243-0098

Certified to  
 NSF/ANSI 60