



WESTERN CLAY®



A REDMOND COMPANY



SAFETY DATA SHEET

Product Code: AB3A005 (BENTONITE)

Updated: 10/19/16

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	-
YP/PV Ratio	1.5	30 minimum
Filtrate Volume	13.7 cm ³	3 maximum
Residue > 75 Micrometers	3.0 wt.%	15.0 cm ³ maximum
Moisture	7-12 wt.%	4.0 wt.% maximum

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 ³
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