

MEGA-GEL[®]

HIGH YIELD PREMIUM BENTONITE



PRODUCT DATA SHEET

DRILLING FLUIDS ADDITIVES CHEMICALS

MEGA-GEL[®] is an easy to mix extra high yield premium Bentonite designed for fresh water drilling and boring applications. MEGA-GEL is a (200-mesh) Wyoming sodium Bentonite that is blended with special extenders that more than doubles its viscosity compared to regular Wyoming Bentonite. MEGA-GEL is a versatile viscosifier that is effective in a variety of drilling applications including Mineral exploration, drill shafts, water well, and directional drilling operations.

MEGA-GEL is a high yielding bentonite viscosifier with a 220-230 barrel yield. MEGA-GEL mixes fast for rapid hydration in fresh water and carries cuttings in mud with low solids content and yields excellent fluid loss properties in permeable formations.

Benefits of MEGA-GEL

- Reduces filtration by forming a thin filter cake
- Helps provide lubricity, and cools the drill bit
- Mixes easily and quickly reaches maximum viscosity

TYPICAL PROPERTIES	
Appearance	Gray to tan powder
pH (5% Solution)	8.5- 9.5
Bulk Density lb/ft ²	68-72 (compacted)

MIXING DOSAGE: Mix MEGA-GEL slowly through a jet mixer. Mixing ratios are based on the use of fresh water, the water purity will affect bentonite performance. For best results make-up water should be pretreated with M-BOOSTER[®] at 1-2 lb/100 gal for a pH of 8.5-9.5.

ESTIMATED AMOUNTS OF MEGA-GEL [™] ADDED TO FRESH WATER BASED FLUIDS			
ADDED TO FRESH WATER	lbs/100 gals	lb/bbl	kg/m ³
Normal Drilling Conditions	15-25	6-10	18-30
Loose Unconsolidated Formations	35-50	15-21	42-60
Added For Gel/Foam Systems	12-15	6-8	18-24

PACKAGING: MEGA-GEL is available in 50 lb (22.7 kg) multi-walled paper bags, 60 bags per pallet. All pallets are plastic wrapped.

AVAILABILITY: MEGA-GEL can be purchased through any MATRIX Construction Products Distributor. To place an order contact MATRIX Construction Products.

The information contained herein is believed to be accurate and reliable. MATRIX accepts no responsibility for the results obtained through application of this product. MATRIX reserves the right to update information without notice. For most current information see our website matrixcp.com. **PDS UPDATED JULY 27, 2016**



orders@matrixcp.com • matrixcp.com

877.591.3137 P 630.364.3231 C 630.730.7428 F 630.791.3459

MATRIX CONSTRUCTION PRODUCTS, LLC

50 South Main Street, Suite 200, Naperville, IL 60540