

## **BENTONITE - HIGH YIELD (SUPER GEL-X®) VISCOSIFIER**

**Bentonite - High Yield (SUPER GEL-X®)** is an easy mixing freshwater drilling fluid produced from the highest grade Wyoming sodium bentonite. Bentonite - High Yield (Super Gel-X®) provides viscosity, gelling and filtration control properties to most fresh water-based drilling fluids where a high quality bentonite is required. Super Gel-X® is also used in hydraulic-barrier applications (pond-sealing, slurry trenching, caissons, etc.).

### **FEATURES AND BENEFITS:**

- Meets or exceeds API specifications for bentonite (13A, section 9)
- Provides viscosity to improve hole-cleaning capacity of drilling fluids
- Provides suspension for weighting material
- Provides filtration control and forms a thin filter cake with no permeability
- Cools and lubricates bit
- Mixes quickly and easily

Super Gel-X® requires a pH of 8.5-9.5 for optimal performance. Pre-treat make-up water with SODA ASH as required.

**RECOMMENDED TREATMENT:** 20-100 kg/m<sup>3</sup>

### **PHYSICAL PROPERTIES:**

Appearance: Tan-grey powder  
Specific Gravity: 2.5  
Solubility: Insoluble (forms colloidal suspension)  
pH: 8.5-11.0  
Bulk Density: 900 kg/m<sup>3</sup> (uncompacted), 1400 kg/m<sup>3</sup> (compacted)  
Particle Sizing: 70% min passing #200 mesh sieve

### **MIXING/HANDLING:**

Mix slowly through a mixing hopper (5 minutes/bag). Refer to the SDS for specific precautions and handling requirements.

**MICROTOX® THRESHOLD: TBD**

**PACKAGING:** 22.68 kg bag / 60 bags/pallet