

**Technical Data Sheet  
High Yield Bentonite**

Revised 1/25/07

## VOLCLAY<sup>®</sup> CGB-211

<b>Description</b>	Volclay <sup>®</sup> CGB 211 is a high-yield, 200 mesh sodium bentonite for freshwater drilling. Volclay <sup>®</sup> CGB 211's unique blend of smectite minerals delivers improved rheological properties over traditional premium grade bentonites.
<b>Functional Use</b>	May be used for all types of freshwater drilling where lower solids are required.
<b>Purity</b>	Hydrous aluminum silicate comprised principally of the clay mineral montmorillonite. Contains small portions of feldspar, calcite, and quartz.
<b>Chemical Formula</b>	Diocahedral smectite, an expanding layer silicate: $(\text{Na,Ca})_{0.33} (\text{Al}_{1.67}\text{Mg}_{0.33})\text{Si}_4\text{O}_{10}(\text{OH})_2 \cdot n\text{H}_2\text{O}$
<b>Advantages</b>	Mixes quickly and easily Stabilizes the borehole Removes cuttings Cools and lubricates the bit Reduces fluid loss into the formation
<b>Bulk Density</b>	Typically 54 lbs./ft <sup>3</sup>
<b>Moisture</b>	Maximum 12% as shipped.
<b>pH</b>	8.5 to 10.5 @ 5% solids.
<b>Dry Particle Size</b>	Minimum 65% passing 200 mesh (74 microns).
<b>Wet Particle Size</b>	Minimum 94% passing 200 mesh (74 microns). Minimum 92% passing 325 mesh (44 microns).
<b>Packaging</b>	Bulk or palletized in carload and truckload quantities. 100 lb. & 50 lb. multiwall, water-resistant bags or 2,000 lb. bulk bags.

**Disclaimer:** The information and data contained herein are believed to be accurate and reliable. ACC makes no warranty of any kind and accepts no responsibility for the results obtained through application of this information