

**Micronized  
Hectorite**

Revised 05/15/13

## HECTALITE®200

**General  
Description**

High-purity, micronized sodium hectorite clay, consisting of microfine particles for emulsion stabilizing, gelling, suspending, and binding.

**Functional  
Use**

High-yielding hectorite clay that exhibits high efficiency, excellent rheology and stability. Typically used in dishwasher liquids, cementitious products, cleaners, architectural paints, ceramics, and adhesives.

**Purity**

Composed principally of the clay mineral hectorite.

**Solubility**

Insoluble in water or alcohol; one gram of clay produces a surface area greater than 750 sq. meters when fully dispersed.

**Brightness**

70 minimum

**Texture**

Soft, slippery

**Moisture**

12% Maximum

**Odor**

None

**Viscosity**

2000 - 5000 @ 5% solids

**Taste**

None

**Spec. Gravity**

2.6

**Color**

White to off-white

**Free Swell**

Minimum 24 mls

**pH**

9.0-11.0 @ 2% solids

**Dry Particle  
Size**

Minimum 95.00% finer than 325 mesh (44 microns).

**Wet Particle  
Size**

Minimum 99.75% finer than 200 mesh (74 microns).  
Minimum 99.00% finer than 325 mesh (44 microns).

**Chemical  
Formula**

Trioctahedral smectite, an expanding layer silicate:  
 $(Ca,Na)_{0.33}(Mg_{2.66},Li_{0.33})Si_4O_{10}(F,OH)_2$

**Elemental  
Composition**

Typical analysis – moisture free.

SiO <sub>2</sub>	60.8%
Al <sub>2</sub> O <sub>3</sub>	1.58%
MgO	20.3%
Fe <sub>2</sub> O <sub>3</sub>	1.23%
CaO	12.1%
Na <sub>2</sub> O	2.80%
Li <sub>2</sub> O	1.29%
K <sub>2</sub> O	0.33%
LOI	8.50%

**Packaging**

5-ply multi-wall poly-lined bags, moisture-resistant, 50 pound net.