

**Purified Hectorite  
Hydroclassified**

Revised: 8/28/13

## HECTABRITE®AW

<b>General Description</b>	Highly-purified white sodium hectorite, water-washed. Hectabrite AW is surface modified and supplied as small flakes to ease dispersion.		
<b>Functional Use</b>	Suspending agent, viscosifier, binder and emulsion stabilizer for cosmetics, pharmaceuticals, and personal care products. Exhibits high thixotropy to enhance a broad range of formulations. Hectabrite AW delivers high viscosity to be incorporated in low solids preparations.		
<b>Solubility</b>	Insoluble in water or alcohol; one gram of clay produces a surface area greater than 750 sq. meters when fully dispersed.		
<b>Brightness</b>	78 minimum	<b>Texture</b>	Soft, slippery
<b>Gel formation</b>	Maximum 2 mls	<b>Odor</b>	None
<b>Moisture</b>	4 - 10% as shipped	<b>Taste</b>	None
<b>Viscosity</b>	1500 - 3500 cps @ 4% solids	<b>Color</b>	White to off-white
<b>Spec. Gravity</b>	2.6	<b>pH</b>	9.0 - 11.0 @ 2% solids
<b>Free Swell</b>	Minimum 70 mls		
<b>Dry Particle Size</b>	Minimum 99.00% finer than 200 mesh (74 microns).		
<b>Wet Particle Size</b>	Minimum 99.75% finer than 200 mesh (74 microns). Minimum 99.00% finer than 325 mesh (44 microns).		
<b>Chemical Formula</b>	Trioctahedral smectite, an expanding layer silicate: $(Ca,Na)_{0.33}(Mg_{2.66},Li_{0.33})Si_4O_{10}(F,OH)_2$		
<b>Elemental Composition</b>	Typical analysis – moisture free.		
	SiO <sub>2</sub>	61.8%	
	Al <sub>2</sub> O <sub>3</sub>	1.58%	
	MgO	20.3%	
	Fe <sub>2</sub> O <sub>3</sub>	1.23%	
	CaO	10.1%	
	Na <sub>2</sub> O	2.80%	
	Li <sub>2</sub> O	1.29%	
	K <sub>2</sub> O	0.33%	
	LOI	4.50%	
<b>Packaging</b>	5-ply multi-wall poly-lined bags, moisture-resistant, 50 pound net.		