

**Purified Hectorite
Hydroclassified**

Revised: 8/28/09

HECTABRITE® AW

General Description	Highly-purified white sodium hectorite, water-washed. Hectabrite AW is surface modified and supplied as small flakes to ease dispersion.		
Functional Use	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.		
Solubility	Insoluble in water or alcohol; one gram of clay produces a surface area greater than 750 sq. meters when fully dispersed.		
Brightness	78 minimum	Texture	Soft, slippery
Gel formation	Maximum 2 mls	Odor	None
Moisture	4 - 10% as shipped	Taste	None
Viscosity	1500 - 3500 cps @ 4% solids	Color	White to off-white
Spec. Gravity	2.6	pH	9.0 - 11.0 @ 2% solids
Free Swell	Minimum 70 mls		
Dry Particle Size	Minimum 99.00% finer than 200 mesh (74 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 ₂	61.8%	
	Al ₂ O ₃	1.58%	
	MgO	20.3%	
	Fe ₂ O ₃	1.23%	
	CaO	10.1%	
	Na ₂ O	2.80%	
	Li ₂ O	1.29%	
	K ₂ O	0.33%	
	LOI	4.50%	
Packaging	5-ply multi-wall poly-lined bags, moisture-resistant, 50 pound net.		

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