

**White Sodium
Bentonite Micronized**

Revised: 05/25/01

BENTOBRITE® 770

General Description	A white sodium bentonite that is selectively mined, micronized, and supplied as a free-flowing powder.		
Functional Use	Suspending agent and gellant for use in household products, automotive products, aerosols, paints, enamels and other industrial applications. Used as a binder and plasticizer, especially in ceramic bodies, to ease extrusion and increase green strength.		
Purity	Hydrous aluminum silicate, micronized to concentrate the finest montmorillonite fraction from the bentonite ore. Contains traces of feldspar, quartz, and calcite.		
Solubility	Insoluble in water or alcohol; one gram of clay produces a surface area greater than 750 sq. meters when fully dispersed.		
Moisture	12% maximum as shipped	Texture	Soft, slippery
Viscosity	300-600 cps @ 5% solids	Odor	None
Spec. Gravity	2.6	Taste	None
Brightness	70 minimum	pH	8.5-10.5 @ 2% solids
Dry Particle Size	Minimum 99.00% finer than 200 mesh (74 microns).		
Wet Particle Size	Minimum 99.96% finer than 200 mesh (74 microns). Minimum 99.70% finer than 325 mesh (44 microns).		
Chemical Formula	Diocahedral smectite, an expanding layer silicate: (Na,Ca) _{0.33} (Al _{1.67} Mg _{0.33})Si ₄ O ₁₀ (OH) ₂ ·nH ₂ O		
Elemental Analysis	Typical analysis – moisture free.		
	SiO ₂	79.22%	
	Al ₂ O ₃	14.92%	
	MgO	3.40%	
	Fe ₂ O ₃	0.97%	
	CaO	2.28%	
	Na ₂ O	2.72%	
	K ₂ O	0.43%	
	LOI	4.90%	
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