

Revised January 2009

## AccoPure<sup>®</sup> EC

<b>General Description</b>	AccoPure <sup>®</sup> EC is a selectively mined sodium-activated montmorillonite which has been finely milled and is supplied as a free-flowing powder.		
<b>Functional Use</b>	This montmorillonite is specifically mined for use as a flocculent in conjunction with polyacrylamides and other organic flocculants. The high swelling nature of the product makes it particularly suitable for use in dissolved air flotation systems of the type commonly encountered in Paper Mills.		
<b>Purity</b>	Principally composed of colloidal montmorillonite. Contains trace amounts of quartz, plagioclase, K-feldspar, calcite, anatase, opal c/ct and kaolinite.		
<b>Solubility</b>	Dispersible but insoluble in water or alcohol. One gram of montmorillonite produces a surface area greater than 750 sq. metres when fully dispersed.		
<b>Moisture</b>	7 - 14% as shipped	<b>Texture</b>	Soft, slippery
<b>Odour</b>	None	<b>Taste</b>	None
<b>CEC</b>	Typically 100meq/100g	<b>pH</b>	9.5-11.0 @ 5%solids
<b>ISO TAPPI Brightness:</b>	Typically 27		
<b>Wet Particle Size</b>	Minimum 98.0% finer than 300 mesh (53 microns)		
<b>Dry Particle Size</b>	Minimum 80.0% finer than 200 mesh (75 microns)		
<b>Chemical Formula</b>	Montmorillonite, a dioctahedral smectite (expanding phyllosilicate), having an ideal composition:  (Na,Ca) <sub>0.33</sub> (Al <sub>1.67</sub> Mg <sub>0.33</sub> )Si <sub>4</sub> O <sub>10</sub> (OH) <sub>2</sub> .nH <sub>2</sub> O.)		
<b>Elemental Analysis</b>	Typical analysis – moisture free.		
	SiO <sub>2</sub> 57.62%	Na <sub>2</sub> O 4.14%	
	Al <sub>2</sub> O <sub>3</sub> 20.97%	CaO 1.24%	
	MgO 2.76%	K <sub>2</sub> O 1.13%	
	Fe <sub>2</sub> O <sub>3</sub> 9.18%		
	All metals are expressed as oxides, which are complexed in the mineral		
<b>Packaging</b>	Available in multi-wall paper bags (25kgs), 1 metric tonne big-bags or bulk.		

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