

Revised January 2009

AccoPure[®] IU

General Description	AccoPure [®] IU is a selectively mined, sodium-activated montmorillonite which has been finely milled and is supplied as a free-flowing powder.		
Functional Use	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 effluent treatment plants like dissolved air flotation systems of the type commonly encountered in Paper Mills.		
Purity	Principally composed of the clay mineral montmorillonite. Contains minor amounts of quartz, plagioclase, calcite, anatase, hematite and kaolinite.		
Solubility	Dispersible but insoluble in water or alcohol. One gram of montmorillonite produces a surface area greater than 750 sq. metres when fully dispersed.		
Moisture	7 - 14% as shipped	Texture:	Soft, slippery
Odour	None	Taste	None
ISO TAPPI Brightness	Typically 34	pH	9.5–11.0 @ 5% solids
Wet Particle Size	Minimum 99.0% finer than 300 mesh (53 microns)		
Dry Particle Size	Minimum 90.0% finer than 200 mesh (75 microns)		
Chemical Formula	Montmorillonite, a dioctahedral smectite (expanding phyllosilicate) (Na,Ca) 0.33 (Al1.67Mg0.33)Si4O10(OH)2.nH2O.		
Elemental Analysis	Typical values listed are not to be construed as rigid specifications.		
	SiO ₂ 55.95 %	Na ₂ O	3.83 %
	Al ₂ O ₃ 21.45 %	CaO	1.40 %
	Fe ₂ O ₃ 10.72 %	K ₂ O	0.25 %
	MgO 2.55 %		
	All metals are expressed as oxides, which are complexed in the mineral.		
Packaging	Available in multi-wall paper bags (25kgs), 1 metric tonne big-bags or bulk.		

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