

**Sodium Bentonite
Flocculant Aid**

Revised 05/25/01

VOLCLAY® ACCOFLOC SDG

General Description	Super-dispersible sodium bentonite granules, agglomerated from a finely-ground, selectively-mined clay.		
Functional Use	Used alone or in conjunction with poly-electrolytes or flocculating inorganic salts. Accofloc SDG will assist in increasing the rate and efficiency of flocculation. In some cases Accofloc SDG will be effective when added alone, but in many cases incremental additions of poly-electrolytes or other flocculants may be required.		
Application	Accofloc SDG is a uniform-size agglomerated granular bentonite. As such, it is particularly useful where a dust-free product is desired. The agglomerates have the added benefit of readily dispersing where low shear mixing conditions exist.		
Chemical Formula	Diocahedral smectite, an expanding layer silicate: $(\text{Na,Ca})_{0.33}(\text{Al}_{1.67}\text{Mg}_{0.33})\text{Si}_4\text{O}_{10}(\text{OH})_2 \cdot n\text{H}_2\text{O}$		
Elemental Composition	Typical analysis – moisture free.		
	SiO ₂	63.02%	
	Al ₂ O ₃	21.08%	
	Fe ₂ O ₃	3.25%	
	FeO	0.35%	
	MgO	2.67%	
	Na ₂ O	2.57%	
	CaO	0.65%	
	LOI	5.64%	
Moisture	Maximum 12% as shipped.		
Dry Particle Size	Maximum 20% retained on 30 mesh (600 microns). Maximum 15% passing 100 mesh (150 microns).		
Wet Particle Size	Minimum 95% passing 200 mesh (74 microns).		
pH	8.0 to 10.5 @ 5% solids		Free Swell Minimum 24 mls per 2 g
Viscosity	300-600 cps @ 5.0 % solids		Bulk Density 60-65 lbs/ft ³
Packaging	50 pound multi-wall paper bags or bulk bags.		

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