

Technical Data Sheet
Granular Sodium Bentonite

Revised: 8/25/09

VOLCLAY[®] CRUMBLES

General Description Volclay Crumbles is a double screened, granular sodium bentonite with an average particle size between 8 and 20 mesh.

Functional Use Various chemical carriers or filler applications where controlled particle size is required. Also used in pond sealing applications.

Chemical Formula Dioctahedral 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 %
Trace	0.72 %
LOI	5.64 %

Moisture Maximum 12% as shipped.

Bulk Density 58-65 lbs./cu.ft.

Dry Particle Size Maximum 20% retained on 8 mesh (2.36 mm)
Maximum 20% passing 20 mesh (850 μm)

Base Exchange Typical base exchange ions or exchangeable cations (meq / 100g)

Sodium	60 - 65
Calcium	10 - 30
Magnesium	5 - 20
Potassium	1 - 5

pH 8.0 - 10.5 @ 5% solids.

Packaging 50 pound multi-wall paper bags, or bulk and 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