



## VOLCLAY® CRUMBLES

Volclay® Crumbles is a double screened, granular sodium bentonite with an average particle size between 8 and 20 mesh. Volclay Crumbles are ideal as chemical carriers or filler applications where controlled particle size is required. In addition, Volclay Crumbles can also be used in pond sealing applications.

**Chemical Composition**

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 <sub>2</sub>	63.02 %
Al <sub>2</sub> O <sub>3</sub>	21.08 %
Fe <sub>2</sub> O <sub>3</sub>	3.25 %
FeO	0.35 %
MgO	2.67 %
Na <sub>2</sub> 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**

50lbs (22.68kgs) multi-wall paper bags  
 2000lbs (907.18kgs) bulk bags  
 Bulk

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The information contained herein is believed to be accurate and reliable. AMCOL accepts no responsibility for the results obtained through use of this product. AMCOL reserves the right to update information without notice.

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