

**Granular
Sodium Bentonite**

Revised 09/10/02

VOLCLAY® SPG 8-20**General
Description**

Volclay SPG 8-20 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.

**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**

The typical base exchange ions, expressed in milliequivalents per 100 grams.

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.

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