General Purpose
325 Mesh Powder

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VOLCLAY® 325 MESH

General Description
A selectively-mined and processed sodium bentonite. Volclay 325 mesh is a true micronized product that produces consistency and performance.

Functional Use
Multi-purpose suspending, emulsifying, and binding agent used in industrial applications where low grit and a small, dry particle size are required.

Chemical Formula
Dioctahedral smectite, an expanding layer silicate:
$(Na,Ca)_{0.33}(Al_{1.67}Mg_{0.33})Si_4O_{10}(OH)_2 \cdot nH_2O$

Elemental Composition
Typical analysis – moisture free.

SiO_2	63.02 %
Al_2O_3	21.08 %
Fe_2O_3	3.25 %
FeO	0.35 %
MgO	2.67 %
Na_2O	2.57 %
CaO	0.65 %
Trace	0.72 %
LOI	5.64 %

Moisture
Maximum 12% as shipped.

Dry Particle Size
Minimum 96% passing 200 mesh (74 microns).

Wet Particle Size
Minimum 97% passing 200 mesh (74 microns).
Minimum 90% passing 325 mesh (44 microns).

pH
8.5 to 10.5 @ 5% solids.

Viscosity
12 cps minimum @ 6.25% solids.

Packaging
100-pound or 50-pound multi-wall paper bags, or bulk.