

## VOLCLAY® CC-8

<b>Description:</b>	Volclay CC-8 is natural, coarse-grained, high-swelling Wyoming sodium bentonite.
<b>Applications:</b>	Pond sealing; dry borehole abandonment.
<b>Composition:</b>	Sodium bentonite is a hydrous silicate of alumina primarily consisting of the clay mineral montmorillonite, which swells several times its own volume when, wetted.
<b>Free Swell</b>	24ml/2g minimum (ACC 1010)
<b>Moisture Content:</b>	12 percent maximum as shipped
<b>Particle Sizing:</b>	20 percent typical retained on a #8 mesh (2.36 mm) sieve 20 percent typical passing a #20 mesh (850 mm) sieve (ASTM D422)
<b>Dry Bulk Density:</b>	65 lbs.ft <sup>3</sup> (1,040 kg/m <sup>3</sup> ) typical
<b>Packaging:</b>	50-lb (22.5 kg) or 100 lb (45-kg) multi-wall paper bags; 2000-lb (900 kg) or 4,000 lb (1,800-kg) super sacks; or bulk.
<b>Availability:</b>	F.O.B. Lovell, Wyoming. Quantities less than 1 ton may be available locally.
<b>Application Information:</b>	Volclay CC-8 Crumbles may be sprinkled uniformly over the surface of a leaking body of water in cases where draining the water and construction a soil/bentonite liner is not practical. The Volclay may be drawn into the porous areas of the bottom surface where leakage is occurring, creating a seal. The application rates for the “sprinkle method” are usually 1-2 pounds per square foot (5-10 kg/m <sup>2</sup> ) of bottom surface area.

**WARNING:** This method may harm fish. Colloidal bentonite can clog gills and cause them to suffocate. The depth and turbulence of the water, the surface features on the bottom of the pond (vegetation, sediment, rocks, etc.), and the uniformity of the bentonite layer all will affect results. For this reason, the sprinkle method has no guarantees and has a success rate of approximately 50%.