

# Bentonite

Neutralizes and cleans  
toxins, as it protects your  
system

- DETOXIFIES THE INTESTINAL CANAL
- COMBATS DYSENTERY AND FOOD INFECTIONS
- NEUTRALIZES ALLERGENS



**New** Roots Herbal's Bentonite is sourced from 99.75% white montmorillonite clay, which is 30% stronger and adsorbs 14% more toxins than the more common grey bentonite. By virtue of its physical action, bentonite serves as an adsorbent aid in detoxification of the intestinal canal. Bentonite can adsorb 40 times its weight of toxic waste within the gastrointestinal tract.

The use of volcanic ashes internally is almost older than civilization itself. Primitive tribes of various continents have used various types of clay for conditions of toxicity. Among those examined in the high Andes, in central Africa and among the aborigines of Australia, were reports that some of their knapsacks contained balls of clay, a little of which was dissolved in water. Into the clay were dipped morsels of food. The explanation was that this was to prevent "sick stomach". These people were reported to use the clays for combating dysentery and food infections. In South America, historians found that the Quechua Indians, believed to be descendants of the once powerful Incas, were largely vegetarians. Immediately before eating, their potatoes were dipped into an aqueous suspension of clay, a procedure that is said to prevent "souring in the stomach".

Virtually all bentonite comes from continent or continental platform settings, also common in island arcs. Bentonite deposits form when volcanic ash is deposited in a variety of freshwater (sometimes alkaline lakes) and marine basins characterized by low energy depositional environments and temperate climatic conditions. These deposits are mostly Cretaceous to Miocene age, but also known to be as old as Jurassic and as recent as Pleistocene. Bentonites are hosted by and associated with argillite, mudstone, siltstone, sandstone, tuff, agglomerate, ignimbrites, marl, shale, zeolite beds and coal. It is not a drug or a chemical composition made in a laboratory. It is a product of Mother Earth.

Bentonite in reality is an adsorptive substance. Adsorption and absorption are not the same. Absorption is the process by which substances are sucked up into the internal structure of other substances, such as cells. The foreign substances must actually penetrate a cell membrane or some other such barrier, and must usually undergo some sort of chemical change before they are allowed (or forced) to enter. Adsorption, on the other hand, requires only that substances be able to stick to the outside of the adsorbent medium. This usually means that the two substances have opposite electrical (ionic) charges or that some other physical or chemical bond is readily formable. The difference may seem a slight one, but the critical factor is the amount of time it takes the two processes to occur. Absorption is relatively slow, and would therefore allow allergens to elicit an allergic reaction before they were neutralized. Adsorption is a very rapid process, almost instantaneous in certain cases. By quickly neutralizing allergens, before these foreign invaders can attach themselves to blood cells, adsorptive surfaces prevent the allergic reaction. In addition, any histamine produced by allergens on the way could also be rapidly adsorbed by the bentonite.

***Manufactured under strict GMP (Good Manufacturing Practices)***

***For more information, please contact New Roots Herbal  
at 1-800-268-9486 or [www.newrootsherbal.com](http://www.newrootsherbal.com)***