

# Bentonite

## Specification Sheet

**Description:** Bentonite is a natural clay that typically derives from volcanic ash. It consists mainly of silica (58-61%), aluminum (21-22%) and various other minerals including sodium, magnesium, calcium, ferric oxide, and potassium. It is widely used as texturizer, filler, thickener, and pigment binder. Swelling power 24+ ml.

**CAS:** 1302-78-9, 7732-18-5

**INCI Name:** Bentonite, Water

**Composition:** Bentonite, Water

**Appearance:** Off-white to tan powder, odorless

**Benefits:**

- Used as thickener, absorbent, filler, texturizer and binder in various skin and hair care products and color cosmetics.
- Has thickening and suspending properties (e.g suspends pigments) and effectively thickens and stabilizes emulsions.
- Acts synergistically with common thickeners like xanthan gum and HE cellulose.

**Use:** Add to water phase of formulas to let the bentonite swell. Typical use level 1-50%. For external use only.

**Applications:** Creams, lotions, facial cleansers, hair care (anti-flaking shampoos, conditioners & styling products), body powders, deodorants sticks, depilatories, make-up, shaving creams.

**Solubility:** Water-insoluble

**Preservation:** Preservative-free

**Storage:** Store in a closed container at a dry place at room temperature.

**Country of Origin:** USA

**Raw material source:** Volcanic ash

**Manufacture:** Bentonite is extracted from volcanic ash and then crushed, milled to powder, dried and, if necessary, activated with the addition of soda ash.



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**Animal Testing:** Not animal tested.

**GMO:** GMO-free (does not contain plant-derived components)

**Vegan:** Does not contain animal-derived components.

**HS Code:** 3003100000