

## Sorbitol

### Specification Sheet

**Description:** Natural polyhydric alcohol derived from a sugar solution (dextrose) from wheat (gluten-free), consists 100% of D-glucitol. White, crystalline powder, slightly sweet odor. Soluble in water or alcohols.

**CAS:** 50-70-4

**INCI Name:** Sorbitol

**Benefits:**

- Effective moisturizing properties (avoids moisture loss)
- Stabilizes gels and provides good clarity
- Has skin softening and conditioning effects
- Can support thickening effects of viscosity enhancers
- Fairly resistant to acids and alkalis
- Stable at temperatures up to 180°C (356°F)

**Use:** Can be added to formulas as is; add to water phase. Typical use levels 5-50%. For external use only.

**Applications:** Creams, lotions, gels, pastes (e.g. tooth pastes), protecting creams, ointments, makeup & sun care & personal care products.

**Country of Origin:** USA

**Raw material source:** Wheat-derived sugar (dextrose)

**Manufacture:** Sorbitol is produced by hydrogenation of a sugar solution using a nickel or ruthenium catalyst. Using ion exchange, the crude sorbitol solution is then purified and evaporated to its final concentration.

**Animal Testing:** Not animal tested

**GMO:** Not tested for GMOs

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