

## Butylene Glycol

### Specification Sheet

**Description:** Organic multi-purpose alcohol (synonym: 1,3-butanediol) used as humectant, solvent, antimicrobial agent, and emollient. Offers characteristics such as preventing the assimilation of water from atmospheres of high humidity into film-forming preparations and preventing crystallization of insoluble components in cosmetic vehicles.

**CAS:** 107-88-0

**INCI Name:** Butylene Glycol

**Composition:** Butylene Glycol

**Appearance:** Colorless, slightly viscous liquid

**Benefits:**

- Can be used across a wide range of leave-on and rinse-off formulations to add moisture and emolliency.
- Widely used as alternate solvent for glycerin or propylene glycol in water-based systems.
- Can stabilize volatile compounds such as fragrances and flavors fixing them in cosmetic formulations and to retard the loss of aroma.
- At a concentration of 8-10% butylene glycol has anti-microbial activity against bacteria, molds, and yeasts.

**Use:** Add to formulas to the water phase. Typical use level 1 - 10%. For external use only.

**Applications:** Serums, creams & lotions, hair care products, color cosmetics.

**Solubility:** Water-soluble

**Preservation:** Preservative-free

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

**Country of Origin:** USA

**Raw material source:** Aldol



10800 231<sup>st</sup> Way NE  
Redmond, WA 98053  
Phone: 425-292-9502  
makingcosmetics.com

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**Manufacture:** Butylene glycol is prepared by catalytic hydrogenation of aldol in the presence of hydrogen and a hydrogenation catalyst.

**Animal Testing:** Not animal tested.

**GMO:** GMO-free.

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

**HS Code:** 2905391000