

# Propylene Glycol

## Specification Sheet

**Description:** Modified alcohol (1,2-propanediol), metabolized to lactic acid in the body.

**CAS:** 57-55-6

**INCI Name:** Propylene Glycol

**Composition:** Propylene Glycol, Ethylene Glycol, Diethylene Glycol

**Appearance:** Clear, slightly viscous liquid, odorless, tasteless.

**Benefits:**

- Effective humectant and wetting agent preventing water loss in products and in the skin.
- Increases skin permeability of active ingredients as it penetrates into the outermost skin layers.
- Emollient and lubricant properties.
- Excellent solubilizer of other ingredients.
- Increases spreading of creams.

**Use:** Add as is to the water phase of the formulas, typical use level 1-8% in emulsions. For external use only.

**Applications:** All kinds of skin care products, hair care products, color cosmetics, soaps (glycerin soap).

**Solubility:** Water-soluble

**Preservation:** Preservative-free

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

**Country of Origin:** Canada

**Raw material source:** Propylene oxide (made from propylene and hydrogen peroxide)

**Manufacture:** Non-catalytic hydrolysis of propylene oxide to form a mixture of mono-, di-, and tripropylene glycols

**Animal Testing:** Not animal tested.



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

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

**HS Code:** 2905320000