

Polysorbate 80

Specification Sheet

Description: Emulsifying agent consisting of sorbitol, ethylene oxide & oleic acid (polyoxyethylene-80 sorbitan monooleate), oleic acid is derived from vegetable oil. Purity > 95%. Saponification value 45-55. HLB value 15 (gives oil-in-water emulsions).

CAS: 9005-65-6

INCI Name: Polysorbate-80

Composition: Polysorbate-80, Water

Appearance: Amber, viscous liquid, odorless.

Benefits:

- Non-ionic, multi-purpose emulsifier (enables water and oil to mix).
- Emulsifying efficacy is increased when combined with cetyl alcohol or sorbitan stearate.
- Acts as dispersing agent and anti-static thickener.
- Very useful as solubilizer and stabilizer of essential oils.
- May be useful as hair growth supplement.

Use: Can be added to formulas as is. Typical use level is 1 - 10%. For external use only.

Applications: Body washes, hair shampoos, hair loss treatments, lotions, creams, bath oils, solubilizates.

Solubility: Soluble in water & alcohols, insoluble in oils.

Preservation: Preservative-free

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

Country of Origin: Mexico

Raw material source: Sorbitol, vegetable oils

Manufacture: Polysorbate 80 is obtained by esterification of sorbitol with one or three molecules of a fatty acid including stearic, lauric, oleic, and palmitic acid.



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Animal Testing: Not animal tested.

GMO: No data available.

Vegan: Does not contain animal-derived components.

HS Code: 3402420000

California Proposition 65: WARNING: This product contains trace amounts of 1,4-Dioxane (<1ppm) and Ethylene Oxide (<1ppm). These chemicals are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, go to www.P65Warnings.ca.gov

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