



Fact Sheet

Polysorbate 20

Description: Derived from vegetable oil, Polysorbate 20 is a non-ionic surfactant and emulsifier used in foods and cosmetics, but primarily used to aid the mixing of oil and water. Soluble in water & alcohols, insoluble in oils. Amber, viscous liquid, but liquidity varies with temperature. Purity > 99%.

INCI name: Polysorbate 20

CAS number: 9005-64-5

HLB Value: HLB value 16.7 (gives oil-in-water emulsions).

Use: 2-10%, add to the formulation as is. Suitable for creams, salves, ointments, protective creams, balms, lipsticks, mascaras, glosses

Vegan: Does not include animal derived ingredients

Why use Polysorbate 20?

- Multi-purpose, non-ionic emulsifier
- Used as a dispersing agent for fragrances and essential oils for room sprays and linen sprays.
- Assists with whipping and foaming body creams. (usage 1-5%)
- Perfect for liquid sprays

See sample formulation here: [Insect repellent](#)

[Skin Blemish Spray](#)