

## Polysorbate 20

### Specification Sheet

**Description:** Emulsifying agent consisting of laurate esters of sorbitol consisting of the monoester condensed with ethylene oxide (polyoxyethylene-20 sorbitan monostearate). Yellow liquid no or weak odor. Soluble in water, HLB Value: 16.7 (gives oil-in-water emulsions), pH: 5-7 (5-10 % aqueous solution).

**CAS:** 9005-64-5

**INCI Name:** Polysorbate-20

**Benefits:**

- Non-ionic emulsifier (enables water and oil to mix)
- Emulsifying efficacy is increased further 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.

**Use:** Can be added to formulas as is, usual concentration 2-10%. For external use only.

**Applications:** Creams, salves, ointments, protective creams, balms, pomades, lipsticks, mascaras, glosses.

**Country of Origin:** USA

**Raw material source:** Sorbitol, vegetable oils

**Manufacture:** Polysorbate 20 is obtained by esterification of sorbitol with one or three molecules of a fatty acid including stearic, lauric, oleic, and palmitic acid.

**Animal Testing:** Not animal tested

**GMO:** Not tested for GMOs

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