

1. PRODUCT INFORMATION

Product Name:	Polysorbate 20
INCI Name:	Polysorbate 20
CAS No.:	9005-64-5
Composition:	Polyoxyethylene sorbitan monolaurate
Grade:	Cosmetic Grade
Shelf Life:	24 months

2. PRODUCT DESCRIPTION

Polysorbate 20 is a non-ionic surfactant produced by ethoxylation of sorbitan monolaurate. It provides solubilising, emulsifying and dispersing properties and is used in cosmetic and personal-care formulations, particularly where essential oils or other lipophilic materials need to be incorporated into aqueous systems.

3. TYPICAL TECHNICAL PROPERTIES

Appearance	Colorless to slightly yellowish clear liquid
Assay	≥99.0%
Acid Value	≤2.0 mg KOH/g
Peroxide Value	3.0-8.0 meq/kg
Tocopherol	0.02%-0.1%
Heavy Metals	≤5.0 ppm
Arsenic (As)	≤1.0 ppm
Lead (Pb)	≤1.0 ppm
Mercury (Hg)	≤1.0 ppm
Cadmium (Cd)	≤1.0 ppm
Total Plate Count	≤10,000 cfu/g
Yeast and Mould	≤100 cfu/g
E. coli	Negative
Salmonella	Negative

4. PHYSICAL & CHEMICAL PROPERTIES

Solubility	Soluble in water and alcohol; insoluble in mineral oil
Appearance	Clear viscous liquid
Volatility	Negligible
Composition	Polyoxyethylene sorbitan monolaurate

5. FUNCTIONS & APPLICATIONS

Primary Functions:

Non-ionic surfactant, solubiliser, emulsifier and dispersing agent.

Typical Applications:

Suitable for use in toners, serums, creams, lotions, shampoos and bath products, particularly where essential oils or other lipophilic materials need to be solubilised or dispersed in aqueous systems.

6. STORAGE & HANDLING

Store in a sealed container in a cool, dry place away from light and heat.

Keep tightly sealed after opening to help avoid contamination.

No special handling is required for normal use; follow good industrial hygiene practices.

7. SAFETY PROFILE

Based on available manufacturing documentation, Polysorbate 20 is described as low-irritation under normal cosmetic use conditions. Refer to the Safety Data Sheet (SDS) for detailed safety and handling information.

8. REGULATORY STATUS

Polysorbate 20 is supplied by JNA Ingredient Co as a cosmetic-grade raw material. The formulator is responsible for assessing suitability and compliance of the finished product for its intended market.

DOCUMENT CONTROL

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