

1. PRODUCT INFORMATION

Product Name:	Polyglyceryl-10 Laurate
INCI Name:	Polyglyceryl-10 Laurate
Grade:	Cosmetic Grade
Shelf Life:	24 months

2. PRODUCT DESCRIPTION

Polyglyceryl-10 Laurate is a mild, non-ionic hydrophilic surfactant, emulsifier and solubiliser designed for use in cosmetic and personal care formulations.

It provides good water solubility and solubilising and emulsifying properties, making it suitable for a broad range of skincare, haircare and cleansing systems.

3. TYPICAL TECHNICAL PROPERTIES

Appearance	Light yellow viscous liquid
Odour:	Characteristic slight fatty odour
Acid Value:	≤6.0 mg KOH/g
Saponification Value:	40.0–70.0 mg KOH/g
Iodine Value:	≤5.0 g I ₂ /100g
HLB Value	15-16
Water Content	≤1.0%
Lead (Pb):	≤2.0 mg/kg
Arsenic (As):	≤2.0 mg/kg
Heavy Metals (as Pb):	≤10 ppm
PEG Content:	Not detected

4. PHYSICAL & CHEMICAL PROPERTIES

Solubility:	Soluble in water and 95% ethanol; insoluble in mineral oil and vegetable oil
Viscosity:	Medium to high viscosity at room temperature
Boiling Point:	Approximately 240°C
Flash Point:	≥320°C
pH:	5.0–7.5 (aqueous emulsion)
Volatility:	Negligible

5. FUNCTIONS & APPLICATIONS

Emulsifying & Solubilising: Assists with solubilising essential oils and lipophilic ingredients and stabilising oil-water systems.

Mild Surfactant: Suitable for mild cleansing formulations.

Moisturising & Conditioning: Supports skin softness and hair conditioning.

Applications: Facial cleansers, body washes, shampoos, lotions, creams, serums/essences and other cosmetic formulations.

6. STORAGE & HANDLING

Store in a sealed, cool and dry place away from direct sunlight and high temperatures.

Keep tightly sealed after use to minimise contamination.

No special handling requirements are specified for normal use.

7. SAFETY PROFILE

Based on available supplier information, Polyglyceryl-10 Laurate is not classified as hazardous for normal cosmetic use. Refer to the Safety Data Sheet (SDS) for detailed safety and handling information.”

8. REGULATORY STATUS

Polyglyceryl-10 Laurate is supplied as a cosmetic-grade raw material intended for use in cosmetic and personal care formulations. The formulator is responsible for assessing suitability and compliance of the finished product for its intended market.

DOCUMENT CONTROL

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