

SABOCARE® PGS

Low-HLB 100% PEG-free surfactant ideal for natural and eco-conscious formulations, offering performance, sustainability and outstanding mildness and skin compatibility. As a waxy polyglycerol, it functions effectively as a co-emulsifier in emulsions, a thickening agent in anhydrous systems, and enhances the richness and creaminess of foams.

Compared to traditional waxes, the polyglyceryl structure contributes a rich, glycerol-like texture and moisture-retaining properties, enhancing the sensorial and functional performance of the formulation.

INCI name: *Polyglyceryl-4 Stearate*

CAS number: 68004-11-5 / 37349-34-1

OVERVIEW

SABOCARE® PGS is a 100% naturally derived, plant-based, **PEG-free surfactant**, **hydrophilic emollient** and **O/W co-emulsifier**. Its **multifunctional** profile makes it ideal for a variety of applications, including water-less cleansers, anhydrous formulations, gentle emulsions. **Mild and skin-friendly**, it is perfectly suited for sensitive skin and baby care. It also acts as a **foam booster** and contributes to a post-rinse **conditioning effect**, leaving the skin or hair feeling soft and nourished.

- **NOI (ISO 16128):** 1
- **IECIC Listed** and **Annex 14** available
- **REACH:** exempted (polymer)

TECHNICAL CHARACTERISTICS

- **Appearance:** pastille
- **HLB:** approx. 6
- **Concentration of use:** 0.5-10% depending on formulation structure
- **Preservative free**

FUNCTIONS

- Sensory booster for water-free or water-less toiletries
- Hydrophilic thickener and stabilizer for anhydrous formulation
- Hydrophilic emollient and conditioner for leave on and rinse off products
- O/W co-emulsifier

FORMULATIONS

- Toiletries (solid)
- Emulsions (as cosurfactant)
- Anhydrous formulations (e.g. sticks)

APPLICATIONS

- Solid toiletries
- Anhydrous make-up formulations (e.g. sticks)
- Hair Care, Scalp Care
- Face and Body Care
- Sun Care and after-sun
- Colour cosmetics
- Shave and after-shave products



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