

SABOCARE® GMS-SE

Natural plant-derived and cost-effective self-emulsifying O/W base providing stable structures, controlled viscosity build and a smooth, non-greasy skin feel. Suitable for modern formulations, ensuring reliable emulsification and elegant texture.

INCI name: *Glyceryl Stearate SE*
CAS number: 85251-77-0 / 11099-07-3

OVERVIEW

SABOCARE® GMS-SE is a natural self-emulsifying oil-in-water base. It builds stable lamellar structures. It creates emulsions with a light, non-greasy skin feel and is compatible with most emollients. Its versatility across skin care and hair care formulas makes it a reliable choice for both simple and complex emulsions.

- Easily incorporated in standard hot-process O/W emulsions
- Compatible with a broad range of oils and formulation styles
- Maintains elegant texture; avoid excessive heavy esters for best sensory profile.
- NOI (ISO 16128): 1
- CERTIFICATIONS: RSPO MB, COSMOS
- REACH: registered
- IECIC Listed and Annex 14 available

TECHNICAL CHARACTERISTICS

- Appearance: white ivory flakes
- Concentration of use: 2-4%: light emulsions, fluid lotions, 4-8%: creams, sun care, richer emulsions, >8%: high-structure systems (body butters, solid emulsions)
- Melting range: 56-61 °C
- Solubility: oil-phase soluble
- pH window: performs best a better in near-neutral to alkaline pH range. Workable in acidic pH with standard formulation support /fatty alcohols, anionic emulsifiers etc.)
- Micro-foaming: Mild white-to cast may occur during application (rub-out). To control this add Dimethicone at 0.2-0.5% or SABODERM PGDD/PH (Propylen Glycol Dicaprylate/Dicaprate) at 3-5% as "cleaner" alternative

FUNCTIONS

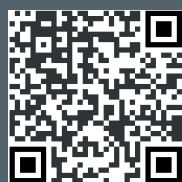
- Enables the formation of stable oil-in-water emulsions.
- Reinforces lamellar networks and helps prevent separation across a wide range of oil phases.
- Develops rapidly controlled body and thickness during cooling, allowing fine tuning of final rheology.
- Improves spreadability, reduces greasiness and delivers a soft, smooth skin feel.
- Contributes additional softness and conditioning in both skin care and hair care applications.

FORMULATIONS

- Fluid emulsions
- Solid emulsions
- Hot pours

APPLICATIONS

- Face and body care
- Hair products (conditioners, masks, hair coloring) and scalp products
- Hand and foot care
- Lip Care
- Shaving products
- Cleansing products
- After sun and self-tanners
- Baby care & gentle skin care



SABO S.p.A.

Registered Office · Via Caravaggi 9 · 24040 Levate (BG) Italy
Administrative Headquarter · Viale Albini 12 · 24121 Bergamo (BG) Italy
T. +39 035596000 · F. +39 035594400
personalcare@sabo.com

sabo.com