

SABODERM PGDD/PH

Medium chain (C8-C10) **polyhydric alcoholic diester** derived from vegetable source suitable for skin care, make up, sun care and perfumery.

INCI name: *Propylen Glycol Dicaprylate/Dicaprate*
CAS number: 68583-51-7

OVERVIEW

An elegant ester with a moderate spreading capability and a light, skin-feel. It boasts a low refractive index, making it ideal for matte formulations, and serves as an excellent wetting agent for powders such as inorganic UV filters and pigments, while also effectively solubilizing organic UV filters. It effectively minimizes the whitish appearance of emulsions, serving as a natural alternative to dimethicone, which is traditionally used for this purpose. In perfumery, PGDD/PH serves as an effective coupler. By blending diverse aromatic ingredients, it harmonizes top, middle, and base notes to create a unified scent. Additionally, it enhances longevity by slowing the evaporation of volatile components, ensuring the fragrance lasts longer on the skin, and improves diffusion for a smooth, evolving scent profile over time.

- **NOI (ISO 16128):** 0,85
- **IECIC Listed** and **Annex 14** available

TECHNICAL CHARACTERISTICS

- **Appearance:** clear liquid
- **Refractive index:** 1440-1442
- **Polarity:** high
- **Spreading value** (mm²/10 min): 750 - Medium
- **After-feel:** light and silky

FUNCTIONS

- Emolliency: softens and smoothens skin, lips and hair
- Withening-reducing agent for emulsions
- Coupling agent for perfumery
- Conditioning for the hair and the skin
- Wetting agent for powders (pigments and inorganic UV filters)
- Solubilizer of UV filters
- Excellent solvent for bromo acid dyes

FORMULATIONS

- Emulsions
- Anhydrous formulations (oils, lipogels, sticks)
- Pressed and Loose Powders
- Hot pours
- Aerosol system

APPLICATIONS

- Skin Care
- Sun Care
- Colour Cosmetics
- Perfumery
- Hair Care
- Bath Oils



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