

Natural
Vegetable
Functional

The Lipid Expert!

Akoline PG7

- Non-ionic emulsifier for o/w creams and lotions
- Improves emulsion shine, smoothness and lubricity
- Good skin feel and spreading properties

Product name

Akoline PG7

INCI name

INCI: Polyglyceryl-3-Stearate

Physical form/Consistency at 20 °C

Pellets, mp 50 °C. HLB=7

Regulatory Status

CTFA, EC No E476, GRAS

Recommended use levels

Emulsions 2-4 %

Packaging

Bag 20 kg

Product Data Sheet/Article number

8558

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Functionality and benefits

Polyglycerol esters such as Akoline PG7 are non-ionic emulsifiers with a strong ability to form liquid crystalline phases, especially when combined with anionic emulsifiers such as Akoline SL. Such phases are stabilising emulsions, foams and dispersions and offer the formulator possibilities to formulate nice shiny emulsions with good spreadability and skin feel. The liquid crystals also improve the lubricity and moisturising ability of the formulation, giving emulsions that are rapidly absorbed. Akoline PG7 has a broad emollient compatibility and can emulsify both vegetable oils, esters as well as mineral oils and paraffins.

Applications

Akoline PG7 is a primary emulsifier for all types of skin care emulsions for caring applications and sensitive skin. It can replace fatty alcohol ethoxylates in many applications due to the versatility of the polyglycerol ester technology. Combined with an anionic emulsifier such as Akoline GC or SL it shows good emulsion stabilising properties due to the formation of liquid crystals.