

Natural
Vegetable
Functional

The Lipid Expert!

Akoline PGPR

- Effective W/O emulsifier
- Stabiliser and dispersant for pigments and sunscreens
- Mild emulsifier and moisturiser for skin care

Product name

Akoline PGPR

INCI name

INCI: Polyglyceryl-3 Polyricinoleate

Physical form/Consistency at 20 °C

Liquid, HLB=4

Regulatory Status

CTFA, EC No E476, GRAS

Recommended use levels

W/O emulsions 3.5-4 %

Anhydrous products 5-25 %

Packaging

Can 25 kg

Product Data Sheet/Article number

8616

Formulations

JT-05-13, Cocoa Vanishing Cream

August 2008

Functionality and benefits

Akoline PGPR is a very effective water-in-oil emulsifier, widely used in caring creams and natural cosmetics. The good emulsifying and stabilising properties of Akoline PGPR are a combination of the large hydrophilic polyglyceryl group which is combined with a large hydrophobic polyricinoleic acid chain.

Akoline PGPR can be used in anhydrous systems where it contributes with an intermediate polarity dispersing agent with high viscosity. These characteristics make it suited for stabilising pigment dispersions and physical sunscreens.

Applications

Akoline PGPR can be used in water-in-oil skin care emulsions of all kinds, often in combinations with higher HLB surfactants. It is used in baby-care, natural cosmetics and in dermatological preparations due to its mildness and its contribution to the moisturising properties of the skin care creams.

A secondary field of application is in anhydrous systems as a dispersing agent and thickener in pigmented products. Akoline PGPR is suited for use in product categories such as sunscreens, lip balms, foundations and lipsticks.