

Natural
Vegetable
Functional



The Lipid Expert!

Akoline LC

- Anionic emulsifier for o/w creams and lotions
- Skin firming and smoothing action from citric acid
- Dispersible in cold water for cold processing applications

Product name

Akoline LC

INCI name

INCI:Glyceryl Stearate Citrate

Physical form/Consistency at 20C

Powder, mp 64 °C. HLB=12

Regulatory Status

CTFA, EC No E472c

Recommended use levels

Emulsions 0.5-2 %

Packaging

Bag 20 kg

Product Data Sheet/Article number

8613

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Functionality and benefits

Akoline LC is an anionic emulsifier for skin care creams and lotions. It is a partially neutralised citric acid ester of mono/diglycerides, making it dispersible in water and suitable for cold processing applications. It releases citric acid by hydrolysis on skin contact, supplementing the Natural Moisturising Factor (NMF). Citric acid esters such as Akoline LC have well documented skin firming and smoothing properties. The released citric acid also stabilises the skin pH-value by the buffering action of citrates.

Akoline LC is capable of forming liquid crystals if combined with non-ionic emulsifiers such as mono/diglycerides, polyglycerol esters or ethoxylated fatty alcohols.

Applications

Akoline LC is suitable for use in all o/w emulsions as part of the primary emulsifiersystem. It is dispersible in cold water making it especially suited for cold processing applications.

The skin firming and smoothing properties of Akoline LC are especially appreciated in facial care products and selected body care applications.