

Natural
Vegetable
Functional

The Lipid Expert!

Akoline MCM

- Co-emulsifier with bacteriostatic properties
- Emulsifier for microemulsions
- Solubiliser for actives and fragrances

Product name

Akoline MCM

INCI name

INCI:Caprylic/Capric Glycerides

Physical form/Consistency at 20 °C

Liquid/Semi-solid, mp 25 °C,
HLB= 5-6

Regulatory Status

CTFA, GRAS, EC No E471,
JCLS, USP-NF

Recommended use levels

Emulsions 1-5 %
Microemulsions 5-30 %

Packaging

Drum 200 kg, Can 20 kg

Product Data Sheet/Article number

8515

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Functionality and benefits

Akoline MCM is a mono/diglyceride based on caprylic and capric acids. The medium chain character makes it suitable as a cosurfactant in emulsion and microemulsion formulations in combination with more hydrophilic emulsifiers. Microemulsions are stable, transparent mixtures of oil, water and surfactant with low viscosity and a high simultaneous solubilising capacity for both lipophilic and hydrophilic actives. The efficiency of various actives (sunscreens, antioxidants etc) may be enhanced by formulating them into microemulsions based on Akoline MCM and Akomed R (caprylic/capric triglyceride).

Akoline MCM has also been demonstrated to have antimicrobial activity against a number of skin pathogens such as Trichophyton and Candida, making it suitable as an auxiliary ingredient in skin cleansers.

Applications

Akoline MCM can be used as an ingredient in personal care products such as shaving creams, deodorant and antiperspirant formulations. It acts also as a pigment stabiliser and dispersant in anhydrous applications. Microemulsions for solubilising active ingredients and fragrances can be formulated using Akoline MCM in combination with higher HLB surfactants such as fatty alcohol or sorbitan ester ethoxylates.