

Distinctive® Emul-Lipid LC

**Bio-compatible,
Multi-functional
Emulsifying
Base**



DISTINCTIVE EMUL-LIPID LC

INCI : Cetyl Alcohol (and)
Hydrogenated Lecithin (and)
Palmitic Acid

CAS #: 36653-82-4, 92128-87-5, 57-
10-3

EC #: 253-149-0, 295-786-7, 200-
312-9

**Unique Emulsification
& Gelling Properties**

Film-forming

Rich Skin Feel

**High Oil-holding
Capacity (40%)**

Hydrating/Moisturizing

**Improves
Bioavailability
& Delivery of Actives**

Recommended applications



Skin care



Makeup



Hair care



Body care



2-0372-12-000-00



DISTINCTIVE EMUL-LIPID LC is a unique “bio-mimetic” skin care base for use in the formulation of creams, lotions and gels.

This substantive lamellar oil-in-water emulsifying base has a high affinity for skin, as its composition closely mimics the natural balance of essential components found in the membranes of all living organisms; phospholipids, natural fatty acids and fatty alcohols. By replenishing these naturally occurring components to the skin, barrier function is restored to provide long-lasting protection against drying and environmental stress.

DISTINCTIVE EMUL-LIPID LC is the natural choice for improving product stability and performance. It is compatible with liposomes and allows the formulation of stable cosmetic formulations without the use of additional emulsifiers, surfactants, gums or thickeners. Ideal for the formulation of oil-in-water emulsions, DISTINCTIVE EMUL-LIPID LC provides for a luxurious, full bodied product. By forming a lamellar complex of lipids, fatty acids and fatty alcohols, it facilitates the coating and stabilization of oil droplets with the formation of sheet-like structures. This lamellar network in the continuous phase offers improved stability and creates a unique, rich texture in formulations.

Vantage®

*Available in MB grade upon request

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Appearance @25 °C	Solid wax
Color	Off-white to light brown
Recommended Use Level	4-6%

Formulation guidelines

DISTINCTIVE EMUL-LIPID LC acts as an oil-in-water emulsifier. It can be added to the water phase with medium speed propeller mixing. The addition of glycerin at this time is suggested to increase the rate of hydration. While mixing, heat water phase to 75-80°C for 30 minutes or until DISTINCTIVE EMUL-LIPID LC is fully hydrated. Slowly add the heated oil phase and combine phases. Continue to stir for 5-10 minutes while maintaining temperature. Homogenize for 2-5 minutes to complete the emulsification process. Slowly cool emulsion while stirring. Do not heat above 85°C, as this may cause product to darken. The preferred pH range is between 5.0-7.0.