



Distinctive® Emul-Lipid LB

Bio-compatible, Multi-functional Emulsifying Base



PRODUCT: Distinctive® Emul-Lipid LB

INCI NAME: Behenyl Alcohol (and) Hydrogenated Lecithin (and) Palmitic Acid

EINECS #: 211-546-6, 295-786-7, 200-312-9

CAS #: 661-19-8, 92128-87-5, 57-10-3



WHAT IS DISTINCTIVE® EMUL-LIPID LB?

Distinctive® Emul-Lipid LB 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.

WHAT DOES DISTINCTIVE® EMUL-LIPID LB DO?

Distinctive® Emul-Lipid LB 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 LB** 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.

KEY BENEFITS

- Unique Emulsification & Gelling Properties
- Film-forming
- Rich Skin Feel
- High Oil-holding Capacity (40%)
- Hydrating/Moisturizing
- Improves Bioavailability & Delivery of Actives

IDEAL FOR USE

- Creams & Lotions
- Sensitive Skin Formulations
- Cleansers
- Gels
- Color Cosmetics



TYPICAL PROPERTIES OF DISTINCTIVE® EMUL-LIPID LB

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



SPECIALTY EMULSIFIERS

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Distinctive® Emul-Lipid LB

Bio-compatible, Multi-functional Emulsifying Base

HOW DO I USE DISTINCTIVE® EMUL-LIPID LB?

Distinctive® Emul-Lipid LB 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 LB** 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.



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