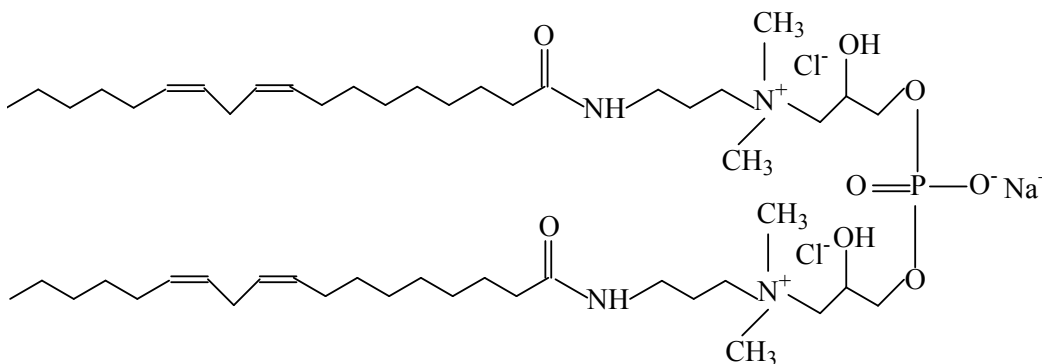


PRODUCT DATA

EverLipid™ EFA

Oct2013

Trade Name: EverLipid™ EFA**INCI Name:** Linoleamidopropyl PG-Dimonium Chloride Phosphate (proposed)**Chemical Name:** Linoleamidopropyl Phosphatidyl PG-Dimonium Chloride**Molecular Formula:** C₅₂H₁₀₀O₈N₄PCl₂Na**Structural Formula:**

Fatty acids are well recognized as a necessary part of the human diet that can not be synthesized internally. These fatty acids are the foundations of phospholipids such as phosphatidylcholine, which are critical in the cell membrane to define the cell structure and mediate the channel of biological substances. Essential fatty acids also contribute to cell integrity in the form of the corresponding phospholipids.

Phospholipids are characterized by multiple hydrophobic tail groups and a highly polar head group, which leads itself to the formation of bi-layer matrices. EverLipid EFA is composed of long chains of predominantly diester phosphatides. As an organic phospholipids biomimetical complex, EverLipid EFA is made from pure natural safflower oil designed to provide topical benefits that are not possible to achieve using natural phospholipids such as lecithin. The safflower oil contains a high level of linoleic acid, and it provides one of the principal essential fatty acids that is needed to maintain healthy skin.

EverLipid EFA offers a combination of performance properties for personal and health care applications with excellent substantivity and effective conditioning as well as mildness and non-greasy emolliency.

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Benefits:

Substantive to hair and skin
Potential topical skin delivery of linoleic acid
Non-greasy emollient
Extremely mild
Makes clear formulation
Outstanding hair conditioning

Typical Properties:

Appearance:	Clear amber liquid
Color, Gardner:	9 Max.
Total Solids:	29-31%
pH (10% solution)	6.5-7.5

Applications:	Hair and skin care products.
Use levels:	0.5-5%.
Storage Conditions:	Store in a cool, dark place with container sealed.
Retest Date:	24 months from the manufacturing date .
Package:	20kg/drum; 200kg/drum