

COLA[®]LIPID BP

Chemical Description: Borageamidopropyl Phosphatidyl-PG-Dimonium Chloride

DESCRIPTION

Cola[®]Lipid BP is a recently released naturally derived biomimetic phospholipid complex made from borage oil. Being derived from a very pure grade of borage oil, a highly unsaturated fatty triglyceride that contains the highest available source of gamma linolenic acid, Cola[®]Lipid BP is very useful in topical applications where it will enhance and augment the skins natural barrier system. Gamma linolenic acid is the primary essential fatty acid that is required to maintain healthy, normal looking skin.

The unique therapeutic properties of borage oil have been well documented in scientific literature. Colonial has improved this performance by making the phospholipid version of this oil and adding substantivity to the product by way of this reaction. Cola[®]Lipid BP is very substantive and results in long lasting benefits to the skin. Cola[®]Lipid BP is a an effective way to deliver gamma linolenic acid in a variety of skin treatment applications

TYPICAL PROPERTIES

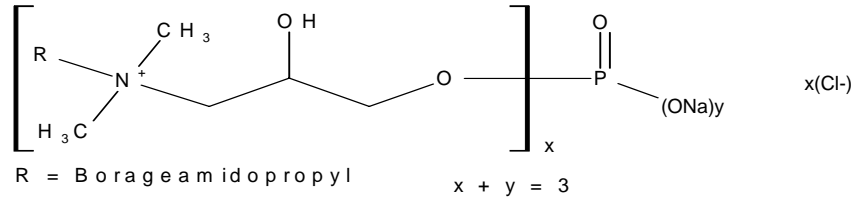
Appearance	Light Brown Liquid
% Total Solids	35
% Solvent (water/PG)	65
pH (10% in 50/50 IPA/H ₂ O)	6.5
Specific Gravity	1.04
HLB Range	17-19

FEATURES

- Topical skin delivery of γ -linolenic acid
- Polyunsaturated essential fatty acid derivative
- Skin normalizer
- Non-occlusive moisturizer
- Non-toxic and non-irritating
- Highly substantive on skin and hair
- Counter irritant
- Non-greasy emollient

Essential fatty acids have been recognized as vital to the maintenance of healthy skin and tissue. They are the basic building blocks of all cell membranes in the form of the Cola[®]Lipid and precede hormone-like regulators as prostaglandins.

Cola[®]Lipid BP is based on borage oil, which contains gamma-6-linolenic acid, which is particularly suggested for use in crèmes and lotions to help alleviate adverse skin conditions.



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Borageamidopropyl Phosphatidyl PG-Dimonium Chloride

RECOMMENDED APPLICATIONS

Cola[®]Lipid BP is an ideal component in a wide variety of skin treatment products, especially in formulations designed for use on sensitive dry or scaly skin including: moisturizers, barrier cremes/lotions, wrinkle modifiers, anti-irritants, protection cremes, under makeup products, anti-acne and dandruff preparations.

FORMULATION

Skin Renewal Creme

<u>Part A</u>	<u>% By Weight</u>
Cola [®] Lipid BP	1.5
Cola [®] Lipid ST	2.2
Cola [®] Fax CPE	1.0
Glycerin	2.0
Germaben IIE	0.4
Titanium Dioxide	0.5
Aminomethyl Propanol	0.4
Water	80.0
<u>Part B</u>	
Cetyl Alcohol	2.0
Steareth-2	2.0
Squalane	0.8
Isopropyl Palmitate	2.4
Octyl Stearate	4.0
Dimethicone (350cS)	<u>0.8</u>
	100.0

Last Modified 07/14/2006

WARRANTY

Colonial Chemical guarantees that its products meet published specifications. No other warranties or guarantees are expressed or implied because the use of this material is beyond the control of Colonial Chemical.