

# Cola<sup>®</sup>Lipid SAFL

## Naturally-Derived Biomimetic Phospholipid

INCI NAME Linoleamidopropyl PG-Dimonium Chloride Phosphate

**CAS NUMBER** 83682-78-4

LISTINGS TSCA (US), DSL (Canada), REACH (EU), AICS (Australia), IECSC (China), ECL (Korea),

PICCS (Philippines), NZIoC (New Zealand)

**Cola®Lipid SAFL** is multifunctional, natural triglyceride organic phospholipid complex. It is designed to mimic natural phospholipids that occur naturally in the body and deposits essential fatty acids on skin. Cola®Lipid SAFL is derived from sustainable pure safflower oil and is highly substantive to hair and skin. Safflower oil contains a high level (80%) of linoleic acid, and it provides one of the principal essential fatty acids that is needed to maintain healthy skin. By taking advantage of this oil's unique composition, Cola®Lipid SAFL offers a combination of performance properties for personal and health care applications never before achieved with one single ingredient.

#### **APPLICATIONS**

Cola<sup>®</sup>Lipid SAFL is non-irritating to the eyes and skin and reduces irritation of anionic activity and can be used in a variety of personal care products, including:

- Creams, lotions, shower gels, facial washes
- Hair care products such as conditioners, shampoos, hair tonics & creams
- Pre- and post-sun care creams, lotions, gels
- Foundations, lipsticks
- Health care products
- Baby products

#### **IRRITATION TESTING**

#### Eye Irritation

HET-CAM: Hen's Egg Test chorioallantoic membrane:

**Result:** Score of **7** (slight ocular irritation

potential in vivo)

#### **Acute Skin Irritation**

48 Hour occlusive skin patch test - 53 Subjects: **Result:** No visible skin reaction, no potential for dermal irritation.

#### **TYPICAL PROPERTIES**

Appearance	Clear Liquid
pH, 10% aqueous	6.5 – 7.5
Solids, %	29.0 – 31.0
% Moisture, K. F.	43.0 – 47.0
Color, Gardner '98	4 Max.

#### **FORMULATION**

### **Hand & Body Lotion**

		INGREDIENT	%
Pa	Part 1 <b>Cola®Lipid SAFL</b>		4.00
		Water	qs to 100.00
Pa	rt 2	Steareth-2	2.00
		Light Mineral Oil	4.00
		Cetearyl Alcohol	3.00
		Octyldodecyl Myristate	2.50
		Dimethicone 100cs	1.50

**Procedure:** Combine ingredients for Part I and II separately and heat to 65° C. Homogenize Part II into I with continued heating until sufficiently mixed. Stir cool to 40° C. Add fragrance, color and preservative as needed.

Properties: pH: 5.5 Viscosity: 20,000 cps

#### STORAGE / HANDLING

Cola®Lipid SAFL should be stored in closed containers. Frozen material may be thawed in a warm room, venting drums while warming. Shipped in 55 gallon poly drums (net weight 480 lb/217 kg). Typical shelf life is 12 months from date of manufacture. Safety Data Sheets may be found at www.colonialchem.com.

# **Colonial** Chemical

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