CHEMICAL 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), ENCS (Japan), NZIoC (New Zealand)

DESCRIPTION
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.

Cola®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, tonics, shower gels, facial washes, etc.
- Conditioners, shampoos, hair tonics, hair creams, etc.
- Pre- and post-sun care creams, lotions, gels, etc.
- Foundations, lipsticks, etc.
- Health care products
- Baby products

SPECIFICATIONS
- Appearance: Clear Liquid
- pH (10% aqueous): 6.5 – 7.5
- % Solids: 29.0 – 31.0
- % Moisture, K. F.: 43.0 – 47.0
- Color, Gardner BYK: 4 Max.

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: On human volunteers - 53 Test Subjects:
Result: No visible skin reaction, no potential for dermal irritation.

STORAGE AND HANDLING
Cola®Lipid SAFL should be stored in closed containers. Frozen material may be thawed in a warm room, venting drums while warming. Shelf life is 12 months from date of manufacture. A Safety Data Sheet is available upon request.

PACKAGING
Cola®Lipid SAFL is shipped in 55 gal. (208 L) sealed poly drums, net weight 480 lbs. (217 kg)

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