



Cola® Mulse 3GO MB

100% All-Natural, Multi-Functional Emulsifier | Mass Balance RSPO

INCI	Polyglyceryl-3 Oleate
CAS	9007-48-1
LISTINGS	US (TSCA), Canada (DSL), EU (REACH Polymer. Monomers exempt, Annex V), Australia (AIIIC), Japan (ENCS), China (IECSC/IECIC), Korea (KECI), Philippines (PICCS), New Zealand (NZIoC), Taiwan (TCSI)



Cola®Mulse 3GO MB is a mono-ester of oleic acid and a glycerin polymer containing an average of three glycerin units. It is a multi-functional emulsifier providing stable emulsions in intermediate HLB systems where two or more other emulsifiers might be used. Cola®Mulse 3GO MB requires low usage concentrations of 1.0 - 4.0%. It is capable of creating emulsions with good heat and freeze/thaw stability.

Cola®Mulse 3GO MB is used in a variety of cosmetic and specialized personal care applications, in particular as an emulsifier for W/O creams with brilliant appearance and pleasant properties. It is also useful in cleanser formulations with oil-to-milk or oil-to-lotion transformative properties.

BENEFITS

- Low HLB nonionic emulsifier
- 100% USDA biobased from natural raw materials
- Viscosity modifier
- Foam enhancer
- PEG-free, EO-free
- Easy to handle liquid form
- Outstanding human and environmental safety

APPLICATIONS

- Hand and body lotions
- Oil to Milk cleansers
- Sunscreens
- Sulfate-free shampoo bars
- Luxury body washes



TYPICAL PROPERTIES

Appearance @ 25°C	Clear to Hazy Amber Liquid
% Moisture	0.1
Acid Value, mg KOH/g	2.0
Saponification Number	143.0
Color, Gardner BYK	4
HLB	6

REGULATORY

Listed under 21 CFR 172.854 *Polyglycerol Esters of Fatty Acids*.

Listed under **NATRUE Annex 3**. Cola®Mulse 3GO MB is "**Derived Natural**" with a **Natural Origin Index of 1.00** in accordance with ISO 16128 guideline.

Foaming Cream Cleanser

No. 2066

This formulation for a foaming cream cleanser is free of sulfates and betaines and easy to formulate with a cold-mixable process. Features mild cleansing and a luxurious pearled appearance, as well as a creamy feel that leaves skin soft and nourished.

	INGREDIENT / INCI	%
1	Water	qs to 100.00
	Cola®Det DEF-61 MB / Water, Sodium	
2	C14-16 Olefin Sulfonate, Cocamidopropyl Hydroxysultaine, Cocamide MIPA	35.00
	Suga®Det EcoPearl MB / Water and Glycol	
3	Distearate and Sodium Hydroxypropylphosphate Decylglucoside Crosspolymer and Cocamidopropyl Hydroxysultaine and Sodium Stearoyl Lactylate	3.00
	Cola®Mulse 3GO MB / Polyglyceryl-3 Oleate	
4		0.50
5	Euxyl® K 900 / Benzyl Alcohol and Ethylhexylglycerin and Tocopherol	1.00
6	Fragrance	0.30
7	Citric Acid	qs to pH 6.5 – 7.5

Pearled, Viscous Liquid, pH 6.5 – 7.5, Viscosity: 5,000 – 10,000 cP, % Solids 16.3 – 17.8

- Combine ingredients 1 – 6 in order mixing until uniform. Adjust to pH 6.5 – 7.5 with citric acid.

Oil to Milk Cleanser

No. 2064

Oil-based face cleanser works to dissolve and lift away impurities without stripping your skin of its natural moisture, leaving it feeling soft and supple. Cola®Mulse 3GO MB transforms the oil into a creamy milk in the presence of water that nourishes your skin as it cleanses.

	INGREDIENT / INCI	%
1	Grapeseed Oil / Vitis Vinifera	79.30
	Cola®Mulse 3GO MB / Polyglyceryl-3 Oleate	
2		2.50
3	Jarchem™ MCT M-5 / Caprylic/Capric Triglyceride	15.00
4	Cetiol® C 5 / Coco-Caprylate	3.00
5	Cymbopogon Citratus (Lemongrass) Oil	0.20

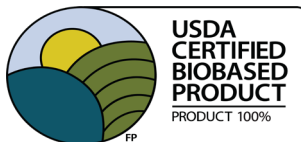
Clear Liquid, pH 6.5 – 7.5, Viscosity: <100 cP

- Combine ingredients 1 – 5 in order with moderate mixing. Continue mixing until clear and uniform

MASS BALANCE

In keeping with Colonial Chemical's commitment to sustainable raw material sourcing, this product is derived from palm oil that contributes to the production of certified sustainable palm oil. More information on www.RSPO.org.

ADDITIONAL LISTINGS



STORAGE AND HANDLING

Cola®Mulse 3GO MB should be stored in closed containers. Shelf life is 24 months from date of manufacture. Cola®Mulse 3GO MB is shipped in 55-gallon drums, net weight 420 lbs (190.5 kg). Complete Safety Data Sheet may be downloaded at www.colonialchem.com.

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Innovative Specialty Surfactants