



Colonial Monolaurin MB

Distilled Monoglyceride | Certified Mass Balance RSPO

INCI Glyceryl Laurate

CAS 142-18-7

LISTINGS USA (TSCA); Canada (DSL); EU (REACH); Australia (AICS); Japan (ENCS); Korea (KECI); China (IECSC & IECIC); Philippines (PICCS); New Zealand (NZIOC); Taiwan (TCSI)



Colonial Monolaurin MB is a unique, multi-functional compound made from lauric acid obtained from sustainable plant sources. When compared with standard “monoglycerides,” Colonial Monolaurin MB has multiple positive characteristics not typically found in a single product and offers elegance and utility to personal care and pharmaceutical products.



CERTIFIED MASS BALANCE RSPO

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

FEATURES

- 1,4-Dioxane-free
- 100% naturally-derived and nontoxic
- Co-emulsifier
- Emollient
- Antimicrobial
- Shown to inactivate bacteria, viruses and fungi/yeast

BENEFITS

- Provide strong self-preservation activity
- Promotes the penetration of actives through the skin
- Co-emulsifier with other surfactants
- Enhances the aesthetics of formulations with excellent rub-out
- Creates superior stability in emulsions of all types

APPLICATIONS

- Leave-on products
- Body cream
- Body butters
- Lip balm
- Facial cream
- Stretch mark creams
- Hand sanitizers
- Roll-on antiperspirants
- Cold sore medicine
- Foot creams



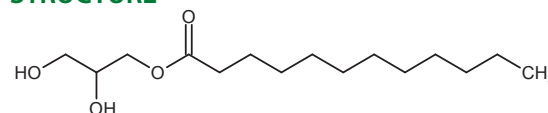
FORMULATION

In formulating, effective use levels can range between 0.1% and 5.0%, depending upon the application. Colonial Monolaurin MB should be added to a formulation so that it does not receive severe heating for prolonged periods. Colonial Monolaurin MB can be dispersed in water and dissolved in oil.

TYPICAL PROPERTIES

PROPERTY	TYPICAL VALUE
Appearance	White pastilles
Monoester content	> 90%
Lauric content	> 90%
Glycerin	< 4%
Acid value	< 2
Iodine value	< 1

STRUCTURE



Nourishing Baby Lotion

No. 3007

Formulation for a silicone free, mild baby lotion. It is nourishing and irritant free with a hint of lavender for calming even the fussiest of babies.

	TRADE NAME / INCI NAME	%
A	Water	qs to 100.00
A	Natrosol® Plus 330 CS / Cetyl Hydroxyethylcellulose	0.50
A	Poly Suga® Mulse D6 / Sorbitan Oleate Decylglucoside Crosspolymer	4.00
A	Colonial Monolaurin MB / Glyceryl Laurate	0.50
A	Cola® Fax CPE-K / Potassium Cetyl Phosphate	1.00
A	Glycerin	2.00
B	Dermofeel® MCT / Isoamyl Laurate	3.00
B	Cetiol® Ultimate / Undecane and Tridecane	5.00
B	Argan Oil RBD / Argania Spinosa Kernel (Argan) Oil	2.00
B	Lanette® 16 / Cetyl Alcohol	4.00
B	Cetiol® C 5 / Coco-Caprylate	2.50
C	Euxyl® PE 9010 / Phenoxyethanol and Ethylhexylglycerin	0.50
C	Lavender 40/42 Oil / Lavandula Angustifolia (Lavender) Oil	0.05

PROCEDURE:

In primary vessel, combine Water and Cetyl Hydroxyethylcellulose. Hydrate according to manufacturer instructions. Heat to 70°C while adding remaining phase A ingredients. In a side vessel, combine phase B ingredients. Heat to 70°C. Once both phases are homogeneous and at temperature, add B to A slowly with good mixing. Slowly cool to 50°C and add phase C ingredients. Homogenize and fill containers.

TYPICAL PROPERTIES:

Appearance: Opaque pH: 6.0 Viscosity: 50,000 cP

Readily biodegradable per OECD 301 methods. This product meets the criteria for a surfactant under the EU Detergents Regulation (EC) 648/2004.

Colonial Monolaurin MB is “Derived Natural” with a Natural Origin Index of 1 in accordance with ISO 16128 guideline.

ADDITIONAL NGO LISTINGS



9-2222-17-100-00



COSMOS Approved
NSF®/ANSI 305-2012
Whole Foods Premium Body Care™
Certified Mass Balance (RSPO)



COSMOS
APPROVED

Exfoliating Himalayan Pink Salt Scrub

No. 2052

Formulation uses natural Himalayan pink salt for a soft yet intense foaming exfoliation that leaves your skin healthy and glowing!

	TRADE NAME / INCI NAME	%
1	Zemea® / Propanediol	26.00
2	Colonial Monolaurin MB / Glyceryl Laurate	2.00
3	Cola® Det EQ-154 / Disodium Lauryl Sulfosuccinate, Sodium C14-16 Olefin Sulfonate, Lauramidopropyl Betaine	4.00
4	Fragrance	0.50
5	Himalayan Pink Salt (fine grain) / Sodium Chloride	67.50

PROCEDURE:

Combine ingredients 1 – 2. Heat to 60 – 65°C. Mix until completely dissolved, then cool to 40 – 45°C. Add ingredients 3 – 4. Mix until well dispersed. Add ingredient 5. Mix until uniform.

TYPICAL PROPERTIES:

Appearance: Pink Exfoliating Scrub

Natural Gel Deodorant Stick

No. 4036

Natural, aluminum-free deodorant for safe, long-lasting odor protection. This formulation is preservative-free and can be made without artificial fragrances or dyes as desired.

	TRADE NAME / INCI NAME	%
1	Water	qs to 100.00
2	Zemea® / Propanediol	60.00
3	Sodium Hydroxide, 50%	1.40
4	Triple Pressed Stearic Acid	4.50
5	Colonial Monolaurin MB / Glyceryl Laurate	2.00
6	Fragrance	qs

PROCEDURE:

Combine ingredients 1 – 3 and begin heating to 85 – 90°C. Once at temperature, slowly add ingredient 4 and continue mixing until completely dissolved. Reduce temperature to 80°C, then add ingredient 5. Add fragrance and dye as desired. Fill containers and allow to cool.

TYPICAL PROPERTIES:

Appearance: Translucent Solid pH: 6.0

STORAGE AND HANDLING

Colonial Monolaurin MB is shipped in sealed cartons, net weight 55 lbs (25 kgs). Colonial Monolaurin MB should be stored in closed containers. Shelf life is 24 months from date of manufacture. Safety Data Sheet and more information is available at www.colonialchem.com.



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Innovative Specialty Surfactants