



Colonial Monolaurin

Distilled Monoglyceride

INCI NAME Glyceryl Laurate
CAS NUMBER 142-18-7 EC# 8205-526-6
LISTINGS USA (TSCA); Canada (DSL); Europe (REACH); Canada (DSL); Australia (AICS); Japan (ENCS); Korea (ECL); Philippines (PICCS); China (IECSC)



Colonial Monolaurin is a unique, multifunctional compound made from lauric acid obtained from sustainable coconut oil. When compared with standard "monoglycerides," Colonial Monolaurin has multiple positive characteristics not typically found in a single product and offers elegance and utility to personal care and pharmaceutical products.



WHY USE COLONIAL MONOLAURIN?

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

WHAT DOES IT DO?

- 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



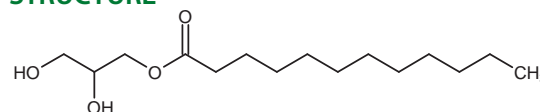
FORMULATION

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

TYPICAL PROPERTIES

Monoester content:	90%
<i>Fatty acid composition:</i>	
Capric:	Max. 2%
Lauric:	Min. 90%
Myristic:	Max. 8%
Iodine value:	Max. 1
Saponification value:	200 - 210
Free glycerol:	Max. 4%
Free fatty acid:	Max. 1.5%
Melting point:	Approx. 59°C - 60°C
Appearance	White pastilles

STRUCTURE



Colonial Monolaurin

SUGGESTED FORMULAS

Clear Ear Formulation

Designed as an ear wash for pets, **Colonial Monolaurin** helps soothe the ear and provides mildness to the formulation. The product is a light viscous fluid with a very slight haze. Use as a miticide for animal ears.

PART A	%
1 Propylene Glycol	60.0
2 Glycerin	37.5
3 Colonial Monolaurin	.5
4 Benzyl Alcohol	1.0
5 Phenoxyethanol	1.0

Procedure: Combine propylene glycol and glycerin and heat to 55-60°C. Add Colonial Monolaurin and mix until dissolved. Cool to 40°C, add benzyl alcohol and phenoxyethanol and mix for 20 minutes or until homogenous.



ADDITIONAL LISTINGS

- NPA Certified Ingredient
- Ecocert Approved

★ GreenStar™ Rating of **10.0**

Hand Cream Formulation

PART A	%
1 Deionized water	82.44
2 Glycerin	5.00
3 EDTA (Na2)	.10
4 Berberine	.01

PART B	%
1 Dimethicone	4.00
2 Varisoft TA-100	2.50
3 Cetyl Alcohol	2.00
4 Colonial Monolaurin	3.00
5 Cola®Mulse PCMX	.50

PART C	%
1 Lemon oil	.25
2 Vitamin E	.20

Procedure: Blend ingredients in Part A as given with stirring and heat to 60°C - 70°C. Blend ingredients in Part B with stirring and heat sufficiently to melt all waxes. Add Part B to Part A with sufficient agitation to create a homogenous blend. Stir-cool to 40°C and then add Part C ingredients.

STORAGE / HANDLING

It is recommended that **Colonial Monolaurin** be stored in a cool and dry place recommended for preserving the product at maximum quality. Store in original container. Avoid excessive heat and light. The working area should be kept free of accumulated dust and ignition. Shelf life is 12 months from date of manufacture. A Safety Data Sheet is available upon request.

Colonial Monolaurin is available in sealed cartons, net weight 55 lbs. (25 kgs.).



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