



# Cola<sup>®</sup> Mid AL

INCI Name: Lauramide DEA

## DESCRIPTION

**Cola<sup>®</sup> Mid AL** is a premium, 100% active, liquid “super” amide. **Cola<sup>®</sup> Mid AL** is highly recommended for use in all types of shampoos, cleansers, bubble baths and liquid detergent formulations where quality performance, extreme mildness and maximum ease of handling are required. It is an outstanding solubilizer and coupler for essential oils and other additives, and offers excellent stability in systems ranging from pH 4 to 11.

## APPLICATIONS

- Facial cleansers
- Household liquid detergents
- Shampoos and bubble baths
- Body Cleansers
- Shower gels

## FEATURES

- 100% active liquid
- Excellent detergent
- Outstanding solubilizer
- Non-irritating
- Superior flash foamer
- Light color/odor

## TYPICAL PROPERTIES

Chemical Composition	Lauric Diethanolamide
Appearance*	Clear Light Amber liquid
Ionic Nature	Nonionic
Alkali#	55
Color (GVCS 1933)	5
pH (10% Solution)	10.8
Activity	100%
Specific Gravity at 25°C	0.98
Acid #	2

\***Cola<sup>®</sup> Mid AL** is manufactured as a clear amber uniform liquid. Extended exposure to freezing temperatures will cause material to cloud. While this is not detrimental to the product, it is recommended that the material be gently warmed (80° - 85°) and agitated to restore original clarity before use.

## SOLUBILITIES (10% Concentration)

	Soluble	Insoluble
Water (Deionized)		X
Mineral Spirits		X
Ethyl Alcohol	X	

Kerosene		X
Aromatic Hydrocarbons	X	
White Mineral Oil		X
Chlorinated Hydrocarbons	X	
Natural Oils and Fats		X

## FORMULATIONS

### ANTI-DANDRUFF SHAMPOO

	<u>% By Weight</u>
Water	41.0
Colonial TEALS	30.0
Cola <sup>®</sup> Teric COAB	17.0
Cola <sup>®</sup> Mid AL	3.0
Cola <sup>®</sup> Mid 3458	3.0
Zinc Pyrithione (48% Aqueous Dispersion)	4.0
Glycol Distearate	<u>2.0</u>
	100.0

**Procedure:** Add ingredients in order listed. Mix and heat to 60°C. Cool, adjust pH to 6.0. Add coloring, fragrance and preservative as required.

Appearance: Off white, opaque liquid  
Viscosity: Approximately 2000 cps

### SKIN CLEANSER

	<u>% By Weight</u>
Colonial SLES-2	28.0
Cola <sup>®</sup> Mate RM	12.5
Cola <sup>®</sup> Mid AL	3.0
Monolaurin	2.5
Water	52.7
Sodium Chloride	<u>1.3</u>
	100.0

**Procedure:** Blend ingredients in order listed at 80°C to solubilize **Monolaurin**. Cool, adjust pH to 6.0.

Appearance: Clear liquid  
Viscosity: Approximately 3000 cps

LAST UPDATED 08/28/2007

#### WARRANTY

Colonial Chemical guarantees that its products meet published specifications. No other warranties or guarantees are expressed or implied because the use of this material is beyond the control of Colonial Chemical.

**Colonial Chemical, Inc.**

[www.colonialchem.com](http://www.colonialchem.com)

