



Cola[®]Mid CMA

INCI Name: Cocamide MEA

DESCRIPTION

Cola[®]Mid CMA is a 1:1 monoethanolamide supplied as an easy-to-handle, flake for use as a thickener and foam stabilizer in personal care products.

BENEFITS

- Mild to skin and eyes. Completely non-irritating to skin at 10% and to eyes at 5%.
- Economically priced.
- It adds no diethanolamine to the formulation.
- Good viscosity booster, with excellent thickening properties.
- Good foam stabilizer.
- Provides for good, smooth after-feel, indicating it has conditioning properties.
- Light color and no odor.
- Low alkali number; requiring less acid to reach a neutral pH level.
- Flowable at low temperatures because of its free-flowing form.

COMPOUNDING SUGGESTION

Cola[®]Mid CMA can be dissolved without the use of heat in most commonly used personal care surfactants. It is more readily soluble in the lauryl sulfates (particularly ammonium lauryl sulfate and sodium lauryl ether sulfate) than in the amphoteric. Time to achieve solution may be reduced by the following:

1. Add **Cola[®]Mid CMA** to the primary surfactant alone and stir until dissolved; then dilute with water. If the system becomes too thick, add only a portion of the water.
2. Add a few percent SD alcohol or propylene glycol to the system.
3. Use heated water.

Amphoterics require 3-4 hours to dissolve **Cola[®]Mid CMA** at ambient temperatures. Warming gently to 40° or 50°C greatly shortens formulating time.

TYPICAL FORMULATIONS

Low Cost Shampoo – 23.5% Active		<u>Typical Properties</u>	
	<u>% by Wt.</u>		
Colonial ALS	71.5	pH	6.7 as is
Cola [®] Mid CMA	3.5	Viscosity	700-1000cps
Propylene Glycol	2.0	Prep Time at room temp	30 minutes
Water & Preservative	23.0	Foam Level in Cylinder	78/64
		Shake Test 1% by Wt. (1 min./5min.)	

Conditioning Shampoo – 20% Active			
	<u>% by</u>	<u>Typical Properties</u>	
	<u>Wt.</u>		
Colonial ALS	29.5	pH	5.7 as is
Cola [®] Mate SS-40	30.6	Viscosity	1200 cps
Cola [®] Mid CMA	3.5	Prep Time at room temp	50 minutes
Propylene Glycol	5.0	Foam Level in Cylinder	82/67
Water & Preservative	31.4	Shake Test 1% by Wt.	(1 min./5 min.)

No More Tears Shampoo – 16% Active			
	<u>% by</u>	<u>Typical Properties</u>	
	<u>Wt.</u>		
Cola [®] Teric LT	22.9	pH	Adjusted to 6.7
Cola [®] Mate SS-40	22.2	Viscosity	1500 cps
Cola [®] Mid CMA	2.0	Prep Time at room temp	40 minutes
Propylene Glycol	2.0	Foam Level in Cylinder	80/70
Water & Preservative	50.9	Shake Test 1% by Wt.	(1 min./5 min.)

Prell Liquid Shampoo	pH	7.6
Proctor & Gamble – 29% Solids	Viscosity	1250 cps
	Foam Level in Cylinder	75/67
	Shake Test 1% by Wt.	(1 min./5 min.)

Pert – Normal	pH	7.3
Proctor & Gamble – 29% Solids	Viscosity	2350 cps
	Foam Level in Cylinder	35/30
	Shake Test 1% by Wt.	(1 min./5 min.)

No More Tears Baby Shampoo	pH	6.9
Johnson & Johnson – 27% Solids	Viscosity	530 cps
	Foam Level in Cylinder	59/45
	Shake Test 1% by Wt.	(1 min./5 min.)

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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.

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