



Cola[®]Terge 779

INCI/CTFA: Cocamide DEA (and) DEA Laureth Sulfate

DESCRIPTION

Cola[®]Terge 779 is a 100% active liquid surfactant concentrate that can be easily and economically used for many personal care and household light duty products by simply diluting with water to the desired activity. Superior foaming characteristics and hard water tolerance coupled with a low irritation profile makes **Cola[®]Terge 779** an ideal product for a variety of uses. A wide range of viscosities can be obtained by simple water dilution or the addition of other surfactants. **Cola[®]Terge 779** is particularly effective as the main surfactant in salon type shampoo concentrates, body and personal care cleansers, pet care products and various light duty cleaners such as dishwash and car wash formulations. As a totally anhydrous material, it is suitable for use in aerosol, encapsulated, and powdered formulations.

PERFORMANCE DATA

Viscosity

Aqueous solutions of **Cola[®]Terge 779** provide a range of viscosities, which are a function of concentration and pH. In low pH (5-7) systems, the viscosity can be increased by the addition of 1-3% of an anionic such as **Colonial SLS** or an alkanolamide such as **Cola[®]Mid SDO**.

<i>Concentration vs. pH</i>		
Cola [®] Terge 779	Viscosity (cP)	pH
10	1500	6.7
15	1500	7.0
20	1500	8.0
25	2000	8.7
30	6000	9.2

Foaming

Ross Miles Foam Properties (100 ppm Water)

	Cola [®] Terge 779	
	0.1%	1.0%
Initial Foam (mm)	185	185
1 minute	170	170
5 minutes	160	160

TYPICAL PROPERTIES

Appearance	Clear amber liquid
Activity	80%
wt./gal.	8.2 lbs
pH 10% solution	6.6

FORMULATIONS

<u>Skin Cleanser with PCMX</u>		<u>Liquid Children's Bubble Bath</u>	
Part A	<u>% by wt.</u>		<u>% by wt.</u>
ColaMid AL	2.5	Water	70.0
ColaTerge 779	10.0	Cola®Terge 779	30.0
Parachlorometaxlenol	0.2		100.0
Part B			
Water	78.3	Procedure: Add ingredients in order listed and mix with slow agitation. Adjust pH to 7.	
Neodol 25-3A (Shell Chemical)	8.0		
Cola®Lipid C	1.0		
	100.0		

Procedure: Blend Part A. Make sure PCMX is dissolved, heat if necessary. Blend Part B into Part A. Adjust pH to 7.0. Add color, fragrance and preservative. Package.

LAST UPDATED 07/14/2006

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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