



# Formulation

No. 2051

## Daily Facial Cleanser (Sulfate-Free)

### DESCRIPTION

This formulation features **Suga®Nate 160NC**, **Cola®Teric CBS**, **Cola®Moist 200** and **Cola®Liquid DC** for a gentle face wash that lifts away dirt and oil, and leaves skin hydrated. This cleanser is sulfate-free and easy to make with a cold-mix process.

### FORMULATION

Order	INCI Name	Trade Name	%
1	Water	Water	qs to 100.00
2	Sodium Laurylglucosides Hydroxypropylsulfonate	<b>Suga®Nate 160NC</b>	20.00
3	Cocamidopropyl Hydroxysultaine	<b>Cola®Teric CBS</b>	9.00
4	Sodium Cocoyl Glutamate	Plantapon® ACG 50 <sup>1</sup>	5.00
5	Hydroxypropyl Bis-Hydroxyethylidimonium Chloride	<b>Cola®Moist 200</b>	2.00
6	Cocamide DIPA	<b>Cola®Liquid DC</b>	1.25
7	Sodium Benzoate and Potassium Sorbate	Eueryl® K712 <sup>2</sup>	1.00
8	Fragrance	WS Apple Fragrance <sup>3</sup>	0.10
9	Citric Acid	Citric Acid 50%	qs to pH

### PROCEDURE

1. Combine ingredients 1 – 8 with moderate mixing.
2. Continue mixing until clear and uniform.
3. Adjust to pH 4.5 – 5.0 with Citric Acid 50% (~1.8%).

### TYPICAL PROPERTIES

Appearance Clear, Viscous Liquid  
pH 4.5 – 5.0  
Viscosity 1,500 – 3,000 cP

### SUPPLIERS

<sup>1</sup>BASF, <sup>2</sup>Schülke and Mayr, <sup>3</sup>Orchidia Fragrances

**Colonial Chemical, Inc.** *Natural Surfactants*

225 Colonial Drive • South Pittsburg, TN 37380 • Phone: 423-837-8800 • Fax: 423-837-3888

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