



## Antibacterial Hand Wash (Betaine, DEA, Triclosan-Free)

### DESCRIPTION

This formulation features **Cola®Teric CBS**, **Cola®Liquid DC** and **Cola®Lipid C** in a gently foaming antibacterial hand wash that safely cleanses and moisturizes. Cola®Lipid C acts as a skin-conditioner to soften and soothe and helps boost antimicrobial performance.\* Other featured ingredients include Cola®Teric CBS for mild cleansing and Cola®Liquid DC for emolliency and foam stability. Ideal for repeated use in health care and other frequent handwashing settings.

\*Cola®Lipid C is not registered as an antimicrobial agent

### FORMULATION

Order	INCI	Ingredients	%
1	Water	Water	qs to 100.00
2	Cocamidopropyl Hydroxysultaine	<b>Cola®Teric CBS</b>	9.00
3	Cocamide DIPA	<b>Cola®Liquid DC</b>	0.30
4	Cocamidopropyl PG-Dimonium Chloride Phosphate	<b>Cola®Lipid C</b>	1.00
5	Glycerin	Glycerin	2.00
6	Propanediol	Zemea® <sup>1</sup>	0.50
7	PEG-150 Distearate	Hallstar® PEG 6000 DS <sup>2</sup>	2.00
8	Fragrance	WS Soothing Fragrance <sup>3</sup>	0.25
9	Sodium Benzoate and Potassium Sorbate	Euxyl® K712 <sup>4</sup>	1.00
10	Benzalkonium Chloride	Stepanquat™ 50 NF <sup>5</sup>	0.20

### PROCEDURE

1. Combine ingredients 1 – 6 in order with moderate mixing.
2. Heat to 60 – 65°C.
3. Once at temperature, add ingredient 7 and continue mixing until completely melted and batch is uniform.
4. Cool below 50°C and add remaining ingredients.
5. Adjust to pH 5.0 – 5.5 with citric acid.

### TYPICAL PROPERTIES

Appearance      Clear, Viscous Liquid  
pH                    5.0 – 5.5  
Viscosity           2,000 cP

### SUPPLIERS

<sup>1</sup>DuPont Tate & Lyle, <sup>2</sup>Hallstar, <sup>3</sup>Orchidia Fragrances, <sup>4</sup>Schülke and Mayr, <sup>5</sup>Stepan

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