



Moisturizing Antibacterial Hand Soap

DESCRIPTION

This formulation features **Cola®Teric COAB**, **Cola®Liquid DM** and **Cola®Lipid C** in a soothing antibacterial hand soap that gently cleans with 100% natural moisturizers. DEA-free, Triclosan-free. Utilizes Cola®Lipid C to provide emolliency and boost antimicrobial performance. Ideal for repeated use in health care and other frequent handwashing settings.

FORMULATION

Order	INCI Name	Trade Name	%
1	Water		qs to 100.00
2	Cocamidopropyl Betaine	Cola®Teric COAB	12.00
3	Myristamide DIPA	Cola®Liquid DM	0.30
4	Cocamidopropyl PG-Dimonium Chloride Phosphate	Cola®Lipid C	0.25
5	Glycerin		2.00
6	Propanediol	Zemea® ¹	0.50
7	PEG-150 Distearate	Lipopeg® 6000DS ²	2.00
8	Fragrance	White Lily ³	0.25
9	Methylchlorisothiazolinone and Methylisothiazolinone	Kathon CG ⁴	0.05
10	Benzalkonium Chloride	StepanQuat®50 NF ⁵	0.20

PROCEDURE

1. Combine ingredients 1-6 in order with moderate mixing.
2. Heat to 60°C.
3. Add 7. Mix at temperature until clear and homogenous.
4. Cool below 50°C.
5. Add remaining ingredients. Adjust pH to 6.0 with sodium hydroxide.

TYPICAL PROPERTIES

Appearance Clear
pH 6.0
Viscosity 2,000 cps

SUPPLIERS

¹DuPont Tate & Lyle, ²Lambent, ³Belle-Aire Fragrances, ⁴Dow, ⁵Stepan

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