



Antibacterial Hand Soap

DESCRIPTION

This formulation features ingredients derived from whole coconut oil, **Cola[®]Liquid DC**, **Cola[®]Lux LO** and **Cola[®]Lipid C** to bring you an antiseptic soap that won't dry out your skin.

FORMULATION

Order	INCI Name	Trade Name	%
1	Water		qs to 100.00
2	Lauramine Oxide	Cola[®]Lux LO	12.00
3	Cocamide DIPA	Cola[®]Liquid DC	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	4.00
8	Fragrance	White Lily ³	0.25
9	Methylchloroisothiazolinone 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 citric acid.

TYPICAL PROPERTIES

Appearance Clear
pH 6.0
Viscosity 6,000 cps

SUPPLIERS

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

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