



Antibacterial Hand Soap (Higher Viscosity)

DESCRIPTION

This formulation features **Cola®Teric COAB** and **Poly Suga®Quat L1010P** in a hand soap to kill germs while still leaving hands soft and moisturized. Rinses away easily and is safe for children, ideal for repeated use.

FORMULATION

Order	INCI Name	Trade Name	%
1	Water		qs to 100.00
2	Hydroxypropyl Guar	Jaguar HP-105 ¹	0.70
3	Hydroxypropyl Guar <i>and</i> Hydroxypropyl Guar Hydroxypropyltrimonium Chloride	Jaguar C162 ¹	0.50
4	Citric Acid, 50%		0.10
5	Glycerin		2.00
6	Cocamidopropyl Betaine	<i>Cola®Teric COAB</i>	12.00
7	Polyquaternium-78	<i>Poly Suga®Quat L1010P</i>	4.00
8	Decyl Glucoside	Plantaren 2000N UP ²	8.00
9	Fragrance	White Lily ³	0.10
10	Methylchloroisothiazolinone <i>and</i> Methylisothiazolinone	Kathon™ CG ⁴	0.05
11	Benzalkonium Chloride	StepanQuat® 50 NF ⁵	0.25

PROCEDURE

1. Slowly add ingredients 2-3 to 1 with strong mixing to evenly disperse.
2. Once completely dispersed, reduce to moderate mixing and add ingredient 4 to pH 3.5 – 4.5.
3. Mix for at least 30 minutes.
4. Add remaining ingredients in order with adequate mixing between additions.
5. Adjust pH to 5.0 – 5.5 with citric acid.

TYPICAL PROPERTIES

Appearance Clear Liquid
pH 5.0 – 5.5
Viscosity 8,000 – 10,000 cps

SUPPLIERS

¹Solvay, ²BASF, ³Belle-Aire Fragrances, ⁴Dow, ⁵Stepan

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