



Personal Care Formulary

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Moisturizing Foaming Hand Wash

This clear, water-thin hand wash formulation is designed to be used with foaming pump dispensers. Mild and sulfate free surfactant blend **PEL-SURF PHC** provides an abundant, tight, luscious, creamy foam, easy to spread and rinse. Safflower oil-derived skin conditioning agent **PEL-AMPH EFA** brings a smooth end-feel, without stickiness. This hand wash is ideal for daily multiple use without dry skin feel. It has an ultra-short ingredient list of **only 10 ingredients**. Free from sulfates, PEG, EO, dioxane, silicones.

#	INCI Name	Trade name	Supplier	Function	%
1	Water			Carrier	64.4
2	Glycerin	Glycerin	Avatar Corporation	Humectant	4.0
3	Water, Disodium Cocoamphodipropionate, Sodium C14-16 Olefin Sulfonate, Coconut Oil Aminoethoxyethanol Amides, Arginine Lauraminopropionate	PEL-SURF PHC	Elé Corporation	Surfactant	30.0
4	Citric Acid	Citric Acid	Kraft Chemical	pH adjuster	0.5
5	Linoleamidopropyl PG-dimonium Chloride Phosphate	PEL-AMPH EFA	Elé Corporation	Skin Conditioning Agent	1.0
6	Methylchloroisothiazolinone (CMIT) and Methylisothiazolinone (MIT)	Kathon CG	Dupont	Preservative	0.1

Procedure: (cold process):

Add ingredients in water in listed order. Mix well after each addition.

Results:

Appearance: clear, pale yellow liquid
pH: 6.5-6.8
Viscosity @25°C: 8-20 cps
Stability, 8 weeks @45°C: pass

Observations: The pH absolutely needs to be adjusted above pH 6 to avoid any undesirable thickening and/or hazy appearance.

#MS-U-035105

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