

# Formulation

Name	<b>"SUPER EASY-TO-MAKE" MILD, SULFATE-FREE HAND WASH</b>	
No.	1539	
Description	Don't overthink it! Diversify your portfolio with the "Super Easy-to-Make" sulfate-free and mild formulation inspiration series with STEPANBLEND® ASF, a sulfate-free concentrated surfactant blend with a mild profile. STEPANBLEND® ASF is suitable for wide range of cleansing products such as hand washes, shower gels or shampoos, and is designed for ease of use and cold processing. This concentrate provides excellent foaming and only requires dilution with water to the desired actives level, pH adjustment and the addition of fragrance and salt to adjust viscosity levels. This hand wash formulation uses STEPANBLEND® ASF.	
Formulation	<b>INGREDIENTS:</b>	<b><u>% by Weight</u>    <u>Functionality</u></b>
	=== Phase 1 ===	
	Deionized Water	77.9 Carrier
	STEPANBLEND® ASF	14.1 Primary Surfactant
	=== Phase 2 ===	
	Glycerine 4811 (Oleon) Glycerin	5.0 Emollient
	euxyl™ k 712 preservative (Schulke & Mayr)*	1.2 Preservative
	Fragrance - Mineral Breath (Mane & Fils SA)	0.2 Fragrance
	Dye	q.s. Dye
	=== Phase 3 ===	
	Citric Acid (20% Solution)	1.1 pH Adjuster
	Sodium Chloride	0.5 Viscosity Adjuster
	<b>Total</b>	<b>100.0</b>
Procedure	<p>1. In a vessel, introduce Deionize Water with mixing. Add STEPANBLEND® ASF with mixing. Note: Cold water can be used however, warm water may speed the incorporation of STEPANBLEND® ASF.</p> <p>2. Add phase 2 ingredients in the order noted. Mix with the addition of each ingredient.</p> <p>3. Adjust pH to be between 5.0 and 5.5 with Citric Acid (20% Solution).</p> <p>4. Add Sodium Chloride to yield the desired viscosity.</p> <p>Note: INCI name for euxyl™ k 712 preservative is supplied by Schulke &amp; Mayr is Sodium Benzoate (and) Potassium Sorbate (and) Aqua (Water).</p>	
Physical Properties	Appearance	Transparent thin gel
	pH, as is	5.3
	Viscosity at 25°C (Brookfield LV1/V30), cps	1,026
Storage/Stability	4 weeks at 5°C	Stable
	4 weeks at 20°C	Stable
	4 weeks at 45°C	Stable
Instructions for Use	Apply a small amount to wet hands and lather. Rinse with water.	
External		

Comment | Marketing Notes: INCI List - Aqua, Glycerin, Coco Betaine, Sodium C14-16 Olefin Sulfonate, Citric Acid, Decyl Glucoside, Sodium Benzoate, Potassium Sorbate, Sodium Chloride, Fragrance, Dimethyl Lauramide/Myristamide.

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