



# Formulation

Name	<b>MOISTURIZING HAND SOAP</b>	
No.	1172	
Description	This hand soap provides excellent cleansing properties while leaving the skin feeling soft and moisturized.	
Formulation	<u>INGREDIENTS:</u>	<u>% by Weight</u> <u>Functionality</u>
	Deionized Water	q.s. to 100.0 Carrier
	STEPANOL® MG	20.0 Primary Surfactant
	ALPHA-STEP® PC-48	13.0 Secondary Surfactant
	AMPHOSOL® LB	10.0 Foam and Viscosity Stabilizer
	STEPAN-MILD® L3	0.5 Emollient
	STEPAN-MILD® GCC	0.5 Conditioning Agent
	NaCl	q.s. Viscosity Builder
	Citric Acid 50% solution	q.s. pH Adjuster
	NaOH 50% solution	q.s. pH Adjuster
	Preservatives	q.s. Preservative
	Fragrance	q.s. Perfume Agent
	Dye	q.s.
	<b>Total</b>	<b>100.0</b>
Procedure	<p>Add Deionized Water to vessel with agitation capabilities. Start mixing.</p> <p>Add STEPANOL® MG, ALPHA-STEP® PC-48, and AMPHOSOL® LB. Continue mixing until homogeneous.</p> <p>Add STEPAN-MILD® L3 and STEPAN-MILD® GCC, mixing after each addition until clear.</p> <p>Adjust viscosity with NaCl and pH with NaOH or Citric Acid, if necessary.</p> <p>Add Preservatives, Fragrance, and Dye as needed.</p>	
Physical Properties	Appearance at 25°C	Slightly yellow, clear liquid
	pH, as is at 25°C	5.0–6.5
	Viscosity at 25°C, cps	500–800
Storage/Stability	Room temperature	3 months
	50°C	2 weeks
	Freeze/thaw	3 cycles
Instructions for Use	Apply to wet skin and work into a lather, Rinse thoroughly.	
External Comment	Marketing Notes: BCI = 90. Total Biorenewable Carbon Index (BCI) was calculated only for the Stepan surfactants used in this formulation. For further information on Stepan's BCI; visit <a href="http://www.stepan.com">www.stepan.com</a> .	
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For  
Additional  
Assistance

For applications or product handling assistance, call our Technical Service Department at 1-800-745-7837 (U.S.) or 011-334-76-505-100 (Europe).

For ordering assistance, call our Account Service Department at 1-800-457-7673.

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