



# 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	<p>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>.</p>	
Registered Trademarks of Stepan Company	<p>STEPANOL®</p> <p>AMPHOSOL®</p> <p>ALPHA-STEP®</p> <p>STEPAN-MILD®</p>	

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.

Nothing contained herein grants or extends a license, express or implied, in connection with patents, issued or pending, of the manufacturer or others. The information contained herein is based on the manufacturer's own study and the works of others. The manufacturer makes no warranties, expressed or implied, as to the accuracy, completeness, or adequacy of the information contained herein. The manufacturer shall not be liable (regardless of fault) to the vendee's employees, or anyone for any direct, special or consequential damages arising out of or in connection with the accuracy, completeness, adequacy or furnishing of such information.

**Stepan** 

Stepan Company  
Northfield, Illinois 60093  
Telephone (847) 446-7500

Revision Date:      Publication Date: 01/03/2012    © 2012, Stepan Company. All rights reserved.