



Formulation

Name	SILKY FOAMING HAND SOAP	
No.	1501	
Description	<p>This is a sulfate-free, EO-free (ethylene oxide free), and nitrosamine free hand soap based on ALPHA-STEP® PC-48. This sulfate-free and EO-free surfactant enables the production of a light and airy foam. AMPHOSOL® DM/MB enhances mildness and is an excellent thickening agent for tougher sulfate-free systems and is a COSMOS approved ingredient. STEPAN-MILD® GCC-FL/MB, a naturally derived and COSMOS approved ingredient, is used as foam volume booster and gives a soft and cushioned feel to the skin. This formulation has a low active level at 5.5% total actives, and can be formulated without heat. The water thin viscosity of this formulation is designed for a foaming hand soap dispenser.</p>	
Formulation	<p>INGREDIENTS:</p> <p>=== Phase 1 === Deionized Water ALPHA-STEP® PC-48 AMPHOSOL® DM/MB</p> <p>=== Phase 2 === euxyl™ k 712 (Ashland, Inc.)** Silky Touch (Mane SA) Fragrance</p> <p>=== Phase 3 === Citric Acid</p> <p>=== Phase 4 === STEPAN-MILD® GCC-FL/MB</p> <p>Total</p>	<p><u>% by Weight</u> <u>Functionality</u></p> <p>83.44 Carrier 9.40 Primary Surfactant 5.91 Secondary Surfactant</p> <p>1.00 Preservative 0.05 Fragrance</p> <p>q.s. pH Adjuster</p> <p>0.20 Skin Feel Enhancer</p> <hr/> <p>100.00</p>
Procedure	<ol style="list-style-type: none"> 1. In a vessel, introduce Deionized Water and the other ingredients of phase 1 and mix until complete homogenization. 2. Add ingredients in phase 2 with mixing. 3. Adjust pH with Citric Acid to target a pH between 5.0 and 5.5. 4. Finally, add STEPAN-MILD® GCC-FL/MB with mixing. <p>**Note: INCI name for euxyl™ k 712 supplied by Ashland, Inc. is Sodium Benzoate (and) Potassium Sorbate (and) Aqua.</p>	
Physical Properties	<p>Appearance, as is</p> <p>pH, as is</p>	<p>Transparent solution</p> <p>5.32</p>
Storage/Stability	<p>4 weeks at 5°C</p> <p>4 weeks at 25°C</p> <p>4 weeks at 45°C</p>	<p>Stable</p> <p>Stable</p> <p>Stable</p>
Instructions for Use	Apply to wet skin and rinse under water.	

External
Comment

Marketing Notes: INCI List - Aqua, Sodium Methyl 2-Sulfolaurate, Disodium 2-Sulfolaurate, Coco Betaine, Glyceryl Caprylate/Caprate, Sodium Benzoate, Citric Acid, Potassium Sorbate, Glycerin, Fragrance, Propanediol.

Registered
Trademarks
of Stepan
Company

ALPHA-STEP®
AMPHOSOL®
STEPAN-MILD®

For
Additional
Assistance

For applications or product handling assistance, call our Technical Service Department at 1-800-745-7837 (U.S.) or +33 476 505 100 (Europe).
For ordering assistance, call our Account Service Department at 1-800-457-7673.

The information contained herein is based on the manufacturer's own study and the works of others and is subject to change without prior notice. The information is not intended to be all-inclusive, including as to the manner and conditions of use, handling, storage or disposal or other factors that may involve additional legal, environmental, safety or performance considerations. Nothing contained herein grants or extends a license, express or implied, in connection with any patents issued or pending of the manufacturer or others, or shall be construed as a recommendation to infringe any patents. **STEPAN COMPANY MAKES NO PRODUCT WARRANTY OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR USE, EXPRESS OR IMPLIED, AND NO OTHER WARRANTY OR GUARANTY, EXPRESS OR IMPLIED, IS MADE, INCLUDING AS TO INFORMATION REGARDING PERFORMANCE, SAFETY, SUITABILITY, STABILITY, ACCURACY, COMPLETENESS, OR ADEQUACY.** Stepan Company (and its employees, subsidiaries and affiliates) shall not be liable (regardless of fault) to the vendee, its employees, or any other party for any direct, indirect, special or consequential damages arising out of or in connection with the accuracy, completeness, adequacy, furnishing, use, or reliance upon information provided herein. The vendee assumes and releases Stepan Company (and its employees, subsidiaries and affiliates) from all liability, whether in tort, contract or otherwise to the fullest extent possible under the relevant law.



Stepan Europe SAS
Chemin Jongkind, CS 20127
38341 Voreppe Cedex, France
Phone: +33 4 76 50 51 00

Revision Date: 03/28/2023 Publication Date: 03/28/2023 © 2023, Stepan Company. All rights reserved.