



## Formulation

Name	<b>GENTLE CLEANSING BODY WASH WITH MAPROSYL® 30-MP</b>	
No.	1421	
Description	If you need some moisturization in your daily body wash, use this sulfate-free cleanser formulated with STEPAN-MILD® L3, a natural moisturizing agent, which replaces synthetic silicones. Squeeze it onto a shower pouf or directly to your hands and enjoy the rich, creamy lather. This formulation is suitable for the Asia Pacific region.	
Formulation	<b>INGREDIENTS:</b>	
	<b>% by Weight</b>	<b>Functionality</b>
	=== Phase 1 ===	
	Deionized Water	q.s. to 100.00 Diluent
	MAPROSYL® 30-MP	17.00 Surfactant
	STEPAN-MILD® PCL-BA	29.00 Surfactant
	AMPHOSOL® CDB-HP	11.00 Secondary Surfactant
	Methyl Gluceth DOE 120KC (KCI Limited) PEG-120 Methyl Glucose Dioleate	1.00 Rheology Modifier
	=== Phase 2 ===	
	Tween™ (Pan Asia Chemical Corporation) Polysorbate 20	1.00 Solubilizer
	STEPAN-MILD® L3	0.50 Moisturizing Agent
	DPG (Spectrum Chemical Mfg. Corp.) Dipropylene Glycol	1.00 Solvent
	Fragrance (Tokyo Chemical Industry)	0.50 Fragrance
	=== Phase 3 ===	
	Euxyl® PE 9010 (Schülke & Mayr GmbH)**	0.25 Preservative
	Citric Acid (50% Solution)	q.s. pH Adjuster
	Sodium Chloride	q.s. Viscosity Adjuster
	<b>Total</b>	<b>100.00</b>
Procedure	<ol style="list-style-type: none"><li>1. Add Deionized Water to a suitable vessel equipped with heating and agitation capabilities.</li><li>2. Add MAPROSYL® 30-MP, STEPAN-MILD® PCL-BA and AMPHOSOL® CDB-HP with mixing.</li><li>3. Start heating to 60°C (140°F).</li><li>4. At 60°C (140°F), add Methyl Gluceth DOE 120KC with mixing until clear and begin cooling to 45°C (113°F).</li><li>5. In a separate vessel, premix Tween™ 20, STEPAN-MILD® L3, DPG and Fragrance.</li><li>6. Add this premix to the batch. Mix until all is dissolved and clear.</li><li>7. Cool to room temperature.</li><li>8. Check pH (adjust with Citric Acid, 50% Solution if needed), and add Euxyl® PE 9010.</li><li>9. Adjust viscosity with Sodium Chloride if desired.</li></ol> <p>**Note: The INCI name for Euxyl® PE 9010 supplied by Schülke &amp; Mayr GmbH is Phenoxyethanol (and) Ethylhexylglycerin.</p>	
Physical Properties	Appearance, as is	Clear viscous liquid
	pH at 25°C, as is	5.5 - 6.5
	Viscosity at 25°C (LVT #3 at 12 rpm), cps	2,000 - 3,000
Storage/	12 weeks at 5°C	Stable

Stability	12 weeks at 25°C 12 weeks at 45°C Freeze/Thaw 3 cycles	Stable Stable Pass
Instructions for Use	Squeeze body wash onto a wet pouf or washcloth and work into a rich, creamy lather.	
External Comment	Marketing Notes: BCI = 87. Total Biorenewable Carbon Index (BCI) was calculated only for the Stepan surfactants used in this formulation. Other non-Stepan ingredients were not evaluated. For further information on Stepan's BCI, visit <a href="http://www.stepan.com">www.stepan.com</a> . "Natural" is the Stepan-approved language to describe products that have a BCI of 100 (STEPAN-MILD® L3 has a BCI = 100).	
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For Additional Assistance	<p>For applications or product handling assistance, call our Technical Service Department at 1-800-745-7837 (U.S.) or +33 476 505 100 (Europe).</p> <p>For ordering assistance, call our Account Service Department at 1-800-457-7673.</p> <p>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. <b>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.</b> 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.</p>	



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Revision Date: 02/28/2023    Publication Date: 02/28/2023    © 2023, Stepan Company. All rights reserved.