



Formulation

Name	STRUCTURE LIQUIDS TECHNOLOGY – DETOXIFYING SCALP SCRUB		
No.	1365		
Description	Struggling with flat roots? It could be due to the buildup of product and oil. This shampoo-scrub hybrid uses apricot seed powder to exfoliate the scalp with gentle, sulfate-free cleansers to remove the buildup. Better yet, add whatever feel-good ingredients you like – this formulation is easy to customize!		
Formulation	INGREDIENTS:	% by Weight	Functionality
	=== Phase 1 ===		
	MAPROSYL® 30-B	8.80	Surfactant
	STEPAN-MILD® GCC	10.60	Structure Agent
	Glycerin	2.00	Humectant
	NINOL® CAA	2.00	Secondary Surfactant
	Fragrance Moroccan Amber (Belle Aire Creations)	0.25	Fragrance
	Witch Hazel Leaf In Propylene Glycol	0.25	Additives
	Cucumber Fruit Extract in Propylene Glycol	0.25	Additives
	=== Phase 2 ===		
	Deionized Water	q.s. to 100.0	Diluent
	Sodium Benzoate	0.50	Preservative
	=== Phase 3 ===		
	Lipo APS 40/60 Apricot Seeds	0.50	Exfoliating Additive
	=== Phase 4 ===		
	Citric Acid (50% Solution)	q.s.	pH Adjuster
	Total	100.00	
Procedure	<ol style="list-style-type: none">1. In a suitable vessel equipped with heating and agitation capabilities, melt STEPAN-MILD® GCC.2. Charge MAPROSYL® 30-B, NINOL® CAA, Glycerin, Extracts and Fragrance and stir gently using a Jiffy mixer until a homogeneous thin lamellar phase is obtained. Avoid aeration. Continue to mix and heat to 65°C (149°F).3. For phase 2, charge Deionized Water and Sodium Benzoate in a separate vessel. Heat to 65°C (149°F).4. Slowly add phase 2 to phase 1. Mix using a high-shearing mixer until the lamellar phase completely dissolves and the formulation thickens.5. Cool to room temperature.6. De-aerate the mixture, if necessary (e.g. using vacuum de-aerator, centrifugation).7. Add Lipo APS 40/60 Apricot Seeds using gentle agitation to avoid introducing air into the mixture.8. Adjust pH with a Citric Acid 50% Solution using a gentle agitation to avoid introducing air into the mixture.		
Physical Properties	Appearance at 25°C	Light Brown, flowable suspension	
	pH, as is	5.5-6.5	

	Viscosity at 25°C, cps (LVT Spindle 3 at 12 RPM)	5,000 - 9,000
Storage/ Stability	4 weeks at 4°C	Passed
	4 weeks at 25°C	Passed
	4 weeks at 45°C	Passed
	Freeze/Thaw 3 cycles	Passed
Instructions for Use	<p>Use as a shampoo: Make sure hair is thoroughly wet, and apply directly onto your scalp. Gently massage into a lather, then rinse thoroughly. Use 1 time a week, or as needed. Follow with your favorite conditioner.</p> <p>Cleanses, detoxifies, and removes buildup on scalp. Rinses clean and leaves scalp feeling refreshed.</p>	
External Comment	<p>Marketing Notes: BCI = 93. 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 www.stepan.com. Sulfate free is defined as containing no alcohol sulfate or alcohol ether sulfate, per the INCI nomenclature.</p>	
Registered Trademarks of Stepan Company	<p>STEPAN-MILD® MAPROSYL® NINOL®</p>	
For Additional Assistance	<p>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.</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. **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 Company
Northfield, Illinois 60093
Telephone (847) 446-7500

Revision Date: 10/15/2021 Publication Date: 11/09/2020 © 2021, Stepan Company. All rights reserved.