



Formulation

Name	WATERLESS CONDITIONER	
No.	1434	
Description	Concentrated conditioner formulation using STEPANQUAT® Helia, STEPAN-MILD® GCC, and WECOBEE® M.	
Formulation	INGREDIENTS:	<u>% by Weight</u> <u>Functionality</u>
	=== Phase 1 ===	
	Avocado Oil	1.0 Moisturizing Agent
	Brij™ C20 (Croda International) Ceteth-20	2.0 Emulsifier
	STEPAN-MILD® GCC	9.0 Emollient
	WECOBEE® M	5.0 Structurant, Softener
	Shea Butter	58.0 Structurant, Softener
	Cetyl Alcohol	8.0 Structurant, Hardening Agent
	=== Phase 2 ===	
	STEPANQUAT® Helia	15.0 Conditioning Agent
	STEPAN-MILD® L3	2.0 Moisturizing Agent
	Fragrance	q.s. Fragrance
	Total	100.0
Procedure	<ol style="list-style-type: none"> 1. Add the contents of Phase 1 to the main tank and begin heating to 65°C (149°F). 2. Continue mixing until all solids are melted and the batch is clear. If solids are still present, increase temperature by 5°C (41°F) until all solids dissolve. 3. At 65°C (149°F), add the contents of Phase 2 to the main tank with mixing. Mix until the batch is uniform. 4. Cast mixture into component and allow to cool to room temperature. 	
Physical Properties	Appearance, as is	Straw to yellowish, waxy solid
Storage/Stability	1 month at 25°C	Stable
	1 month at 40°C	Stable
	1 month at 5°C	Stable
	Freeze/Thaw, 3 cycles	Stable
Instructions for Use	Dispense a quantity equivalent to the size of a pea into the hands and apply to wet hair. Continue to distribute through the hair until complete coverage is achieved. Rinse the conditioner out of the hair with warm water.	
External Comment	Marketing Notes:	
Registered Trademarks of Stepan Company	STEPAN-MILD® WECOBEE® STEPANQUAT®	

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 Company
Northbrook, Illinois 60062
Telephone (847) 446-7500

Revision Date: 03/18/2022 Publication Date: 03/18/2022 © 2022, Stepan Company. All rights reserved.