




Formulation

Name	THE Super Chic -- BEETROOT & YOGURT HAIR MASK	
No.	1308	
Description	Ready to be the Super Chic? This hair mask uses yogurt and STEPANQUAT® HELIA, a modern, naturally-derived conditioning agent that is better for your hair and the environment, to condition your locks for a sleek, smooth look. And don't worry blondes—the beets in this hair mask won't stain your hair!	
Formulation	<u>INGREDIENTS:</u> === Phase 1 === Deionized Water Natrosol™ 250 HHR CS (Ashland™) Hydroxyethylcellulose === Phase 2 === STEPANQUAT® HELIA HallStar® CO-1895 Stearyl Alcohol NF (The HallStar Company) HallStar® CO-1695 Cetearyl Alcohol NF (The HallStar Company) STEPAN-MILD® GCC === Phase 3 === Deionized Water Potassium Chloride Citric Acid, 50% Solution Preservative === Phase 4 === Beetroot Powder Yogurt Powder Natural Oils and Fragrance	<u>% by Weight</u> <u>Functionality</u> q.s. to 100 Carrier 1.5 Thickener 2.5 Conditioning Agent 5.0 Emulsifier 2.0 Emulsifier 0.5 Emollient 5.0 Diluent 0.5 Opacifier, Thickener q.s. pH Adjuster q.s. Preservative 1.0 Additive 0.2 Additive 0.7 Additive, Fragrance
	Total	100.0
Procedure	1. Charge Deionized Water to a container with mixing and heating properties. Begin to mix. 2. Charge Natrosol™ 250 HHR CS and mix until homogenous. Heat to 70-75°C (158-167°F). 3. Add STEPANQUAT® HELIA and mix until homogenous. 4. Add HallStar® CO1895 Stearyl Alcohol NF, HallStar® CO-1695 Cetearyl Alcohol NF, and STEPAN-MILD® GCC. Mix for 30 minutes. 5. While mixing, cool to 45°C (113°F). 6. In a separate beaker, dissolve Potassium Chloride in Deionized Water. Add to batch with mixing. 7. Adjust the pH for a target of 3.5-4.5 with Citric Acid solution. 8. Add Beetroot Powder, Yogurt Powder, and Natural Oils and Fragrance. Mix gently until completely homogenous. 9. While mixing, cool to room temperature.	
Physical Properties	Appearance, as is pH, as is	Bright pink viscous lotion* 3.5-4.5

	Viscosity at 25°C, LVT #3 at 12 rpm, cps	8,000-15,000
Storage/ Stability	4 weeks at 5°C	Stable
	4 weeks at 25°C	Stable
	4 weeks at 45°C	Stable
	Freeze/Thaw 3 cycles	Pass
Instructions for Use	Use once a week as a deep conditioning treatment. After shampooing, generously apply to wet hair, concentrating on ends and roots. Leave on for 5 minutes, then rinse thoroughly.	
External Comment	*The initial color of this formulation is incidentally due to some ingredients used and is likely to fade over time. Marketing Notes: BCI = 90. 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 . Naturally-derived refers to ingredients that are greater than 50% BCI but less than 100% BCI.	
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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 011-334-76-505-100 (Europe). 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. 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.</p>	
		
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