


Formulation

Name	THE MULTICULTURAL COLLECTION: REPLENISHING CONDITIONING TREATMENT WITH BAOBAB AND MONGONGO OILS	
No.	1304	
Description	Specifically designed for textured or curly hair, the Multicultural Collection offers three complementary products to smooth and tame your locks. Pamper your hair with this Replenishing Conditioning Treatment with STEPANQUAT® Helia, a naturally derived, hypoallergenic conditioning agent that smooths and moisturizes dry, tired hair. Suitable for use as a regular in-shower conditioning treatment or as a leave-in conditioner.	
Formulation	INGREDIENTS:	<u>% by Weight</u> <u>Functionality</u>
	Deionized Water	q.s. to 100.00 Carrier
	Natrosol 250 HHR (Ashland™) - Hydroxyethylcellulose	0.40 Viscosity Stabilizer
	Glycerin	2.00 Humectant
	STEPANQUAT® Helia	1.25 Conditioning Agent
	Cetearyl Alcohol	2.00 Viscosity Modifier
	STEPAN-MILD® L3	0.50 Moisturizing Agent, Emollient
	STEPAN-MILD® GCC	0.50 Feel Enhancer
	Rheosol™ CVH(E) (Rheolab)	2.00 Rheology Modifier, Conditioning Agent
	Bikira® Mongongo (Manketti) Oil (AE Chemie)	0.25 Emollient
	Bikira® Baobab Oil (AE Chemie)	0.25 Emollient
	Euxyl 9010 (Schulke & Mayr GmbH)	1.00 Preservative
	Osmanthus & Apricot Fragrance AL220100 (Arylessence)	0.50 Fragrance
	Total	100.00
Procedure	<ol style="list-style-type: none"> 1. Add Deionized Water. Begin mixing with propeller agitation. Slowly shift in hydroxyethylcellulose and allow to mix until hydrated. 2. Begin heating to 70-75°C (158-167°F). Add Glycerin and STEPANQUAT® Helia. 2. Once at temperature, add Cetearyl Alcohol. Mix until fully dissolved while holding temperature. 3. Add STEPAN-MILD® GCC and STEPAN-MILD® L3 one at a time, with mixing between each addition. 4. Cool batch to 40-45°C (104-113°F) and switch to a slow side sweep agitation. Upon reaching temperature, slowly add Rheocare™ CVHE. Stir before use. Mix with slow agitation until smooth. 5. Add Bikira® Mongongo (Manketti) Oil, Bikira® Baobab Oil, Euxyl 9010 and fragrance one at a time while mixing between each addition until all is uniform. Cool to room temperature, 25°C (77°F) and fill. <p>**Additional chemical description information on recommended non-Stepan ingredients for the formulations: Rheosol™ CVHE (Rheolab) - Polyquaternium-37 (and) Propylene Glycol Dicaprylate Dicaprate (and) PPG-1 Trideceth-6 Bikira® Mongongo (Manketti) Oil (AE Chemie) - Schinziophyton Rautanenii Kernel Oil Bikira® Baobab Oil (AE Chemie) - Adansonia Digitata (Baobab) Seed Oil Euxyl 9010 (Schulke & Mayr GmbH) - Phenoxyethanol (and) Ethylhexylglycerin</p>	
Physical Properties	Appearance at 25°C	White cream
	Odor	to match standard

	pH, as is	3.5 - 4.5
	Viscosity as is, cps	45,000- 65,000
Storage/ Stability	4 weeks at 25°C	Stable
	4 weeks at 40°C	Stable
	4 weeks at 5°C	Stable
	Freeze/ Thaw (3 cycles)	Passed
Instructions for Use	Apply liberally to clean damp hair. Comb through hair from root to tip. Allow conditioner to sit on hair for 5-10 minutes. Rinse thoroughly.	
External Comment	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 . Natural refers to ingredients that have BCI = 100%. "Naturally-derived" refers to ingredients that have a BCI greater than 50% but less than 100%.	
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Revision Date: 04/23/2019 Publication Date: 04/23/2019 © 2019, Stepan Company. All rights reserved.