


# Formulation

Name	<b>THE MULTICULTURAL COLLECTION: REPLENISHING CONDITIONING TREATMENT WITH BAOBAB AND MONGONGO OILS</b>	
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	<p><b>INGREDIENTS:</b></p> <p>Deionized Water          Natrosol 250 HHR (Ashland™) - Hydroxyethylcellulose          Glycerin          STEPANQUAT® Helia          Cetearyl Alcohol          STEPAN-MILD® L3          STEPAN-MILD® GCC          Rheosol™ CVH(E) (Rheolab)          Bikira® Mongongo (Manketti) Oil (AE Chemie)          Bikira® Baobab Oil (AE Chemie)          Euxyl 9010 (Schulke &amp; Mayr GmbH)          Osmanthus &amp; Apricot Fragrance AL220100 (Arylessence)</p>	<p><b>% by Weight    Functionality</b></p> <p>q.s. to 100.00 Carrier          0.40 Viscosity Stabilizer          2.00 Humectant          1.25 Conditioning Agent          2.00 Viscosity Modifier          0.50 Moisturizing Agent, Emollient          0.50 Feel Enhancer          2.00 Rheology Modifier, Conditioning Agent          0.25 Emollient          0.25 Emollient          1.00 Preservative          0.50 Fragrance</p>
	<b>Total</b>	<b>100.00</b>
Procedure	<p>1. Add Deionized Water. Begin mixing with propeller agitation. Slowly shift in hydroxyethylcellulose and allow to mix until hydrated.</p> <p>2. Begin heating to 70-75°C (158-167°F). Add Glycerin and STEPANQUAT® Helia.</p> <p>2. Once at temperature, add Cetearyl Alcohol. Mix until fully dissolved while holding temperature.</p> <p>3. Add STEPAN-MILD® GCC and STEPAN-MILD® L3 one at a time, with mixing between each addition.</p> <p>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.</p> <p>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> <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 &amp; 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 <a href="http://www.stepan.com">www.stepan.com</a> . 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.