




## Formulation

Name	<b>ABRACADA' BAR - SOLID CONDITIONER</b>	
No.	1369	
Description	A trusty counterpart to the increasingly popular shampoo bar, this solid conditioner bar is silicone free, and is flower-powered by STEPANQUAT® Soleil: a naturally derived conditioning agent we make from non-GMO sunflower oil.	
Formulation	<b>INGREDIENTS:</b>	
	<b>% by Weight</b>	<b>Functionality</b>
	=== Phase 1 ===	
	Butyrospermum Parkii (Shea) Butter	3.5 Emollient
	Sunflower Seed Wax (Kahl GmbH & Co. K.G.) Ascorbyl	2.0 Viscosity Modifier
	Palmitate (and) Tocopherol	23.0 Carrier
	Stearyl Alcohol	7.4 Viscosity Builder
	STEPAN-MILD® GCC	4.0 Emollient
	NEOBEE® M-5 COSMETIC	6.0 Emollient
	Helianthus Annuus (Sunflower) Seed Oil	
	=== Phase 2 ===	
	STEPANQUAT® Soleil	14.0 Conditioning Agent
	Sistema SP70-C (Sistema B.V.) Sucrose Stearate	8.0 Feel Enhancer
	NATIVACARE™ 8600 (Ingredion) Oryza Sativa (Rice) Starch	25.0 Viscosity Modifier
	ORAMIX™ NS 10 (SEPPIC SA) Decyl Glucoside	8.0 Cleansing/Skin Feel
	=== Phase 3 ===	
	Lactic Acid	q.s. pH Adjuster
	Fragrance	0.1 Fragrance
	<b>Total</b>	<b>100.0</b>
Procedure	<ol style="list-style-type: none"><li>1. Add all ingredients in Phase 1 in the order noted above and heat with mixing to 80°C (176°F) to melt.</li><li>2. Add each ingredient in Phase 2 to phase 1 in the order noted above with mixing. Increase the mixing speed to ensure proper dispersion.</li><li>3. Cool the batch to 60°C (140°F) immediately in order to avoid excess evaporation of water.</li><li>4. Adjust pH with Lactic Acid to 3.5 to 4.0.</li><li>5. Add Fragrance at 60°C (140°F) and pour batch into silicone molds.</li><li>6. Once completely cooled and solidified, remove the solid bars from the mold.</li></ol>	
Physical Properties	Appearance, as is	White, smooth solid
	pH, as is	3.5 - 4.0
Storage/ Stability	4 weeks at 20°C	Stable
	4 weeks at 45°C	Stable
	4 weeks at 5°C	Stable
Instructions for Use	Apply to washed hair and rinse.	
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> . A dye can be added to color the conditioner bar.
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