



Formulation

Name	SHAMPOO BAR	
No.	1333	
Description	Saving the planet doesn't mean having to sacrifice great hair. This shampoo bar is silicone-free, and contains moisturizing jojoba oil and shea butter. The bar gives you soft, clean hair, just without the plastic!	
Formulation	INGREDIENTS:	<u>% by Weight</u> <u>Functionality</u>
	=== Phase 1 ===	
	Jojoba Oil - Simmondsia Chinensis (Jojoba) Seed Oil	5.0 Emollient
	Sunflower Seed Oil - Helianthus Annus (Sunflower) Seed Oil	5.0 Emollient
	Rosehip Seed Oil - Rosaa Canina (Rosehip) Seed Oil	0.5 Additive
	STEPAN-MILD® GCC	5.0 Structure Agent
	STEPAN-MILD® L3	5.0 Emollient
	Fragrance and Dye	q.s Fragrance, Dye
	=== Phase 2 ===	
	STEPANOL® DCFAS-N	50.0 Surfactant
	Agar Agar (Gelidium Cartilagineum)	15.0 Thickener
	Glycerin	14.0 Humectant
	Total	100.0
Procedure	<ol style="list-style-type: none"> 1. In a container suitable for mixing, charge Phase 1 ingredients one by one until it is clear and homogenous. Use heat if needed. 2. In a separate container, charge STEPANOL® DCFAS-N. 3. While mixing STEPANOL® DCFAS-N, slowly add Phase 1 to the container. Mix until the STEPANOL® DCFAS-N is wet. 4. Charge Agar Agar to the container and mix until fully incorporated. 5. Charge Glycerin slowly to the container and mix until fully incorporated. 6. Using hands or a mechanical press, mold the mixture into a firm shape. 	
Physical Properties	Appearance, as is	Soft, solid bar
Storage/ Stability	4 weeks at 5°C	Stable
	4 weeks at 25°C	Stable
	Freeze/Thaw, 3 cycles	Pass
External Comment	Marketing Notes: BCI = 100. Total Biorenewable Carbon Index (BCI) was calculated only for the Stepan surfactants used in this formulation. Other ingredients were not evaluated. For further information on Stepan's BCI, visit www.stepan.com .	
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For
Additional
Assistance

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).
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