



Formulation

Name	STRUCTURED LIQUIDS TECHNOLOGY - VOLCANIC BODY SCRUB	
No.	1291	
Description	This body scrub uses finely-ground volcanic pumice to gently remove dead skin cells while naturally-derived oils provide moisture and softness. Unlike traditional body scrubs that can be difficult to rinse and leave skin feeling greasy, this water- and surfactant-based scrub rinses easily to leave skin soft and clean. All ingredients are compliant with the Whole Foods Market® Premium Body Care standard as of April 2018. (Note: Whole Foods Standard was reviewed by S. Kovach on April 15, 2018. All ingredients were found to be compliant.)	
Formulation	INGREDIENTS: === Phase 1 === STEPAN-MILD® GCC 7.80 Shea Butter 0.60 Soybean Oil 7.00 ALPHA-STEP® PC-48 11.60 === Phase 2 === Fragrance & Extract 0.60 Pumice Powder (Carter's Choice®) 49.00 === Phase 3 === Deionized Water q.s. to 100 Preservative 0.05 Total <u>100.00</u>	<u>% by Weight</u>
Procedure	1. In a suitable vessel, charge pre-melted STEPAN-MILD® GCC and Shea Butter. 2. Charge Soybean Oil and mix together with a spatula. 3. Charge ALPHA-STEP® PC-48 and mix gently with a spatula until a thick lamellar phase is obtained. 4. Transfer Phase 1 to a half-ounce mixing bowl. 5. Charge Fragrance & Extract. 6. Charge Pumice Powder slowly in increments and mix with spatula until homogenous. 7. In a separate small container, charge the Deionized Water and Preservative and mix until homogenous. 8. Add Phase 3 to Phase 2 container and mix with spatula until homogenous.	
Physical Properties	Appearance at 25°C	Flowable Suspension
Storage/Stability	4 weeks at 4°C 4 weeks at 25°C 4 weeks at 45°C Freee/Thaw, 3 cycles	Stable Stable Stable Pass
Instructions for Use	Apply desired amount of scrub to wet skin and massage in circular motion. Rinse with water. Use on face is not recommended.	
External	Marketing Notes: Structured Liquids are a patented technology, used for suspension of particles and is	

Comment | free from the use of polymers. Naturally-derived is defined as surfactants sourced from plant, animal or marine feedstocks. BCI = 96. 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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