

Formulation

Name	FIZZ ME UP: BATH BOMB	
No.	1459	
Description	This bath bomb formulation delivers foaming power from LATHANOL® LAL Powder and good skin conditioning effects from STEPANQUAT® Soleil.	
Formulation	INGREDIENTS:	<u>% by Weight</u> <u>Functionality</u>
	=== Phase 1 ===	
	Sodium Bicarbonate	54.60 Fizzing Agent
	Citric Acid	26.35 Fizzing Agent
	LATHANOL® LAL Powder	2.59 Cleansing Agent
	Arrowroot Powder	11.42 Binder
	Matcha Powder or Beetroot Powder	0.10 Active
	=== Phase 2 ===	
	PT 20 (Pan Asia Chemical Corp.) Polysorbate 20	2.59 Solubilizer
	AMPHOSOL® HCA-HP	0.85 Foam Booster
	STEPANQUAT® Soleil	1.00 Conditioning Agent, Skin Feel
	D-Nee Happy Berry (Keva Fragrance)	0.50 Fragrance
	Deionized Water	q.s. Binder
	Dye	q.s. Dye
	Total	100.00
Procedure	<ol style="list-style-type: none"> 1. Premix Phase 1 (dry ingredients) at room temperature into a mixing bowl in the order listed above. Note: Batch will be dusty. Use proper safety masks and have proper ventilation available. 2. In a separate vessel, add each ingredient of Phase 2 (wet ingredients) at room temperature. Mix until homogenous. 3. Slowly add Phase 2 mixture to Phase 1 mixture while mixing at a low speed to ensure even distribution. Use a dropper to add Phase 2 mixture so that the resulting mixture will be more homogenous. 4. Spray a small amount of Deionized Water (4-6 sprays) into the combined mixture. Mix well. 5. Once mixed, remove overhead mixing, and mix thoroughly with gloved hands. The consistency of the mixture should be like moist sand. 6. If desired, add dye and continue mixing until uniform. 7. Compress mixture into molds and allow to set for at least 24 hours at ambient temperature. 	
Physical Properties	Appearance, as is (before molding)	Powder, with moist sand consistency
	Appearance, as is (after molding)	Medium hard solid
	pH, 1% aqueous	7.0 - 7.2
Storage/ Stability	1 Month at 25°C	Stable
	3 Months at 25°C (Sealed bag)	Stable
	3 Months at 40°C	Stable
	3 Months at 5°C	Stable
Instructions	Add bath bomb to water and allow product to foam. Ensure that the container is not filled to the top	

for Use

with water as significant foaming occurs.

External
Comment

Marketing Notes: STEPANQUAT® Helia can be substituted for STEPANQUAT® Soleil at the same percent by weight for similar performance.

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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 +33 476 505 100 (Europe).
For ordering assistance, call our Account Service Department at 1-800-457-7673.

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