

Formulation

Name	THE KID-AT-HEART COLLECTION: FLUFFY WHIPPED SOAP	
No.	1412	
Description	Bring some cheer and whimsy to your shower routine! This soft, fluffy soap transforms into a rich and creamy lather in your shower. A little goes a long way! Get creative with different colors and even micas or glitter for some sparkle. Want something with a little scrubbing power? This formulation is easy to modify with different exfoliants to make a whipped, fluffy body scrub.	
Formulation	INGREDIENTS:	<u>% by Weight</u> <u>Functionality</u>
	=== Phase 1 ===	
	Deionized Water	q.s. to 100 Carrier
	ALPHA-STEP® PC-48	5.0 Cleansing Agent
	AMPHOSOL® HCA-HP	14.5 Foam Booster
	Glycerin	8.0 Humectant
	=== Phase 2 ===	
	LATHANOL® LAL POWDER	32.2 Cleansing Agent
	Stearic Acid	6.2 Structurant
	Candelilla Wax	0.7 Structurant
	STEPAN-MILD® GCC	8.6 Emollient
	=== Phase 3 ===	
	Microcare® BDB (Thor) Benzyl Alcohol (and) Dehydroacetic Acid (and) Benzoic Acid	0.4 Preservative
	=== Phase 4 ===	
	Dye	q.s. Colorant
	Fragrance	q.s. Fragrance
	Total	100.0
Procedure	<ol style="list-style-type: none"> 1. Charge Phase A ingredients to a vessel with regular mixing and begin heating to 75°C (167°F). 2. Add Phase B ingredients one by one with slow mixing until all solids are melted. Begin cooling to less than 40°C (104°F). 3. When batch is less than 40°C (104°F), add Microcare® BDB , dye and fragrance with regular mixing until uniform. 4. For best results, use industrial grade Hobart mixer with wire whip attachment to obtain desired 'fluff' factor. 	
Physical Properties	Appearance, as is	Fluffy white cream
	pH at 25°C	4.5 - 5.5 (Target 5.0)
	Viscosity at 25°C (RVTD at 4 rpm), cps	350,000 - 750,000 (Target: 500,000)
Storage/ Stability	3 months at Room Temperature	Stable
	3 months at 40°C	Stable
	3 months at 5°C	Stable
	Freeze/Thaw, 3 cycles	Pass

Instructions
for Use

Apply a generous amount of product onto hands, wet and lather as needed. Rinse with water.

External
Comment

Marketing Notes: Ingredient List - Water, Sodium Lauryl Sulfoacetate, Glyceryl Caprylate/Caprate, Glycerin, Stearic Acid, Cocamidopropyl Betaine, Sodium Methyl 2-Sulfolaurate, Disodium 2-Sulfolaurate, Fragrance, Benzyl Alcohol (and) Dehydroacetic Acid (and) Benzoic Acid. Natural Origin Content is 92%. The Natural Origin Content refers to the Natural Origin Index (NOI) as outlined in ISO 16128. This calculation is based on biorenewable carbon content for the specific ingredients used in Stepan's laboratories and includes balance formulation water, but excludes enhancers such as fragrance and dye.

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Assistance

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