



Formulation

Name	FROTHY FROG	
No.	1503	
Description	<p>This sulfate-free, EO-free (ethylene oxide free), and nitrosamine-free body wash is based on BIO-TERGE® AS-40 HASB. This sulfate-free and EO-free surfactant generates large bubbles and loose lather. AMPHOSOL® DM/MB enhances mildness and is an excellent thickening agent for tougher sulfate-free systems and is a COSMOS approved ingredient. STEPAN-MILD® GCC-FL/MB, a naturally derived and COSMOS approved ingredient, is used as viscosity builder and foam volume booster and gives a soft and cushioned feel to the skin.</p>	
Formulation	<p>INGREDIENTS:</p> <p>=== Phase 1 === Deionized Water BIO-TERGE® AS-40 HASB AMPHOSOL® DM/MB</p> <p>=== Phase 2 === Citric Acid</p> <p>=== Phase 3 === STEPAN MILD® GCC-FL/MB euxyl™ k 712 (Ashland, Inc.)** Green Dye Douceur Bambou (Mane SA) Fragrance</p> <p>Total</p>	<p><u>% by Weight</u> <u>Functionality</u></p> <p>69.1 Carrier 17.5 Primary Surfactant 11.1 Secondary Surfactant</p> <p>q.s. pH Adjuster</p> <p>0.8 Skin Feel, Viscosity Builder 1.0 Preservative q.s. Dye 0.4 Fragrance</p> <hr/> <p>100.0</p>
Procedure	<ol style="list-style-type: none"> 1. In a clean vessel, add ingredients of phase 1 with mixing in the order noted. 2. Adjust pH using Citric Acid to target between 5.0 and 5.5. As Citric Acid is added, the system should thicken. 3. Start to introduce STEPAN-MILD® GCC-FL/MB with mixing then the other ingredients from phase 4. Keep mixing until the system is clear. <p>**Note: The INCI name for euxyl™ k 712 supplied by Ashland, Inc. is Sodium Benzoate (and) Potassium Sorbate (and) Aqua.</p>	
Physical Properties	<p>Appearance, as is</p> <p>pH, as is</p> <p>Viscosity at 25°C (LV2, V60), cps</p>	<p>Green thick, crystal clear gel</p> <p>5.0 - 5.5</p> <p>8,000</p>
Storage/ Stability	<p>4 weeks at 5°C</p> <p>4 weeks at 20°C</p> <p>4 weeks at 45°C</p>	<p>Stable</p> <p>Stable</p> <p>Stable</p>
Instructions for Use	Apply to wet skin, lather and rinse under water.	
External		

Comment | Marketing Notes: INCI List - Aqua, Sodium C14-C16 Olefin Sulfonate, Coco-Betaine, Glyceryl Caprylate/Caprate, Glycerin, Propanediol, Fragrance, Sodium Benzoate, Potassium Sorbate, Citric Acid, Dye.

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For ordering assistance, call our Account Service Department at 1-800-457-7673.

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