



Formulation

Name	LOTUS NIGHT	
No.	1504	
Description	This is a sulfate-free, EO-free (ethylene oxide free), and nitrosamine-free body wash based on BIO-TERGE® AS-40 HASB. This sulfate-free and EO-free surfactant generates large bubbles and a loose lather. AMPHOSOL® DM/MB enhances mildness and is an excellent thickening agent for tougher sulfate-free systems and is a COSMOS approved ingredient. The use of a naturally derived and COSMOS approved ingredient, such as STEPAN-MILD® L3-G/MB, allows for skin feel enhancement and increases creaminess and lubricity.	
Formulation	INGREDIENTS:	<u>% by Weight</u> <u>Functionality</u>
	=== Phase 1 ===	
	Deionized Water	64.6 Carrier
	BIO-TERGE® AS-40 HASB	20.0 Primary Surfactant
	AMPHOSOL® DM/MB	13.3 Secondary Surfactant
	=== Phase 2 ===	
	Citric Acid	q.s. pH Adjuster
	=== Phase 3 ===	
	STEPAN MILD® L3-G/MB	0.5 Skin Feel, Viscosity Builder
	euxyl™ k 712 (Ashland, Inc.)**	1.2 Preservative
	Purple Dye	q.s. Dye
	Douceur Bambou (Mane SA) Fragrance	0.4 Fragrance
	Total	100.0
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® L3-G/MB with mixing and then add the other ingredients from phase 3 with mixing. 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	Appearance, as is	Purple, thick, crystal clear gel
	pH, as is	5.0 - 5.5
	Viscosity at 25°C (LV2, V60), cps	2,800
Storage/ Stability	4 weeks at 5°C	Stable
	4 weeks at 20°C	Stable
	4 weeks at 45°C	Stable
Instructions for Use	Apply to wet skin, lather and rinse under water.	
External		

Comment

Marketing Notes: INCI List - Aqua, Sodium C14-16 Olefin Sulfonate, Coco-Betaine, Lauryl Lactyl Lactate, Fragrance, Sodium Benzoate, Potassium Sorbate, Citric Acid, Dye.

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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).
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