

Formulation

Name	CLEAN BODY WASH	
No.	1502	
Description	This EO-free (ethylene oxide-free) and nitrosamine-free body wash is based on STEPANOL® WA-EXTRA-HA, an effective surfactant for foaming systems, combined with AMPHOSOL® DM/MB a COSMOS approved ingredient used to enhance mildness and thickening. 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.	
Formulation	INGREDIENTS:	<u>% by Weight</u> <u>Functionality</u>
	Deionized Water	60.5 Carrier
	Jaguar® C 162 (Solvay)**	0.5 Conditioning Agent
	AMPHOSOL® DM/MB	6.70 Secondary Surfactant
	Decyl Glucoside	4.0 Secondary Surfactant
	STEPANOL® WA-EXTRA-HA	26.7 Primary Surfactant
	euxyl™ k 712 (Ashland, Inc.)**	0.8 Preservative
	Citric Acid (50% Solution)	q.s. pH Adjuster
	STEPAN-MILD® GCC-FL/MB	0.8 Skin Feel, Viscosity Builder
	Total	100.00
Procedure	<ol style="list-style-type: none"> 1. In a clean vessel, introduce Deionized Water then heat up to 60°C (140°F). 2. Introduce Jaguar C-162 and mix until homogenous. 3. Introduce under mixing in the given order, AMPHOSOL® DM/MB, Decyl Glucoside, STEPANOL® WA-EXTRA-HA and euxyl™ k 712 with mixing. Mix until homogenous. 4. Adjust pH to target between 5.0 and 5.5 with Citric Acid (50% Solution). The solution should be clear. 5. Finally add STEPAN-MILD® GCC-FL/MB to reach the targeted viscosity. <p>**Note: The INCI name for euxyl™ k 712 supplied by Ashland, Inc. is Sodium Benzoate (and) Potassium Sorbate (and) Aqua. The INCI name for Jaguar® C 162 supplied by Solvay is Hydroxypropyl Guar Hydroxypropyltrimonium Chloride.</p>	
Physical Properties	Appearance, as is	Thin transparent liquid
	pH, as is	5.0 - 5.5
	Viscosity at 20°C (LV2, V6), cps	10,000
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 Lauryl Sulfate, Coco-Betaine, Decyl Glucoside, Glyceryl Caprylate/Caprates, Glycerin, Propanediol, Hydroxypropyl Guar Hydroxypropyltrimonium Chloride, Sodium Benzoate, Potassium Sorbate, Citric Acid.	

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Stepan Europe SAS
Chemin Jongkind, CS 20127
38341 Voreppe Cedex, France
Phone: +33 4 76 50 51 00

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