

Formulation

Name	SHAVING BAR SOAP	
No.	1506	
Description	Go back to traditional cosmetics using a shaving brush, and enjoy the combination of soap, natural oils and sulfate-free surfactants. Maximize cleaning and foaming while minimizing irritation with LATHANOL® LAL COARSE/MB and a COSMOS approved ingredient, AMPHOSOL® DM/MB. The use of STEPAN-MILD® GCC-FL/MB, a naturally derived and COSMOS approved ingredient, is used as foam volume booster and gives a soft and cushioned feel to the skin.	
Formulation	<p>INGREDIENTS:</p> <p>=== Phase 1 === Myristic Acid (Mosselman S.A.) Lauric Acid (Mosselman S.A.) Castor Oil (Mosselman S.A.) Glycerin (Olein) AMPHOSOL® DM/MB</p> <p>=== Phase 2 === LATHANOL® LAL COARSE/MB</p> <p>=== Phase 3 === Potassium Hydroxyde (50% Solution)</p> <p>=== Phase 4 === euxyl™ k 900 (Ashland, Inc.)** PURAC® UltraPure 90 (Corbion France SAS) Lactic Acid</p> <p>=== Phase 5 === STEPAN-MILD® GCC-FL/MB Tocopherol (Mosselman S.A.) Ceder Essential Oil (Hyteck Aroma-Zone S.A.) Cedrus Deodara Wood Oil</p> <p>Total</p>	<p><u>% by Weight</u> <u>Functionality</u></p> <p>24.30 Soap Base 14.30 Soap Base 3.90 Soap Base 15.50 Emollient 6.10 Secondary Surfactant</p> <p>8.00 Secondary Surfactant</p> <p>16.00 pH Adjuster</p> <p>0.80 Preservative 5.00 pH Adjuster</p> <p>5.60 Emollient, Foam Booster 0.20 Antioxidant 0.30 Fragrance</p> <hr/> <p>100.00</p>
Procedure	<ol style="list-style-type: none"> 1. In a vessel, introduce ingredients from phase 1 under agitation and heat to 65°C (149°F). Mix until having a liquid and homogenous phase. 2. Add phase 2 ingredients slowly and continue to maintain heat until a liquid and homogeneous phase is formed. 3. Add Potassium Hydroxide (50% Solution) slowly under agitation. The temperature will increase due to the neutralization reaction. Control temperature to avoid overheating or slow down the addition of Potassium Hydroxide (50% Solution). Avoid exceeding 80°C (176°F). 4. When the solution starts to thicken, introduce the euxyl™ k 900, and lower the pH to 8.0 with PURAC® UltraPure 90. 5. After the pH adjustment, introduce phase 5 ingredients with mixing and maintaining the heat at 65-70°C (149-158°F). 	

6. Control pH and adjust it with Purac Ultrapure 90 as needed.
7. Pour the formulation in a mold or specific packaging.
****Note:** The INCI Name for euxyl™ k 900 supplied from Ashland, Inc. is Benzyl Alcohol (and) Ethylhexylglycerin (and) Tocopherol.

Physical Properties	Appearance, as is pH, 5% aqueous	White solid 7.5 - 8.0
Storage/ Stability	4 weeks at 5°C 4 weeks at 20°C 4 weeks at 45°C	Stable Stable Stable
Instructions for Use	Apply a small amount to the skin and rub into skin until absorbed.	
External Comment	Marketing Notes: INCI List - Myristic Acid, Glycerin, Lauric Acid, Aqua, Potassium Hydroxyde, Sodium Lauryl Sulfoacetate, Lactic acid, Castor Oil, Glyceryl Caprylate/Caprata, Coco Betaine, Benzyl Alcohol, Ethylhexylglycerin, Tocopherol, Propanediol, Cedrus Deodara Wood Oil, Tocopherol.	
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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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Revision Date: 03/28/2023 Publication Date: 03/28/2023 © 2023, Stepan Company. All rights reserved.