

Formulation

Name	CONCENTRATE SHAMPOO	
No.	1435	
Description	This concentrate shampoo with minimized water contains Stepan surfactants LATHANOL® LAL POWDER (or LATHANOL® LAL COARSE can be used), ALPHA-STEP® PC-48, and AMPHOSOL® HCG-HP to give the luxurious foam you are used to with traditional systems. STEPAN-MILD® L3 is added to maintain scalp moisture.	
Formulation	<p>INGREDIENTS:</p> <p>=== Phase 1 === Covera™ (Hallstar Company) Aloe Barbadensis Leaf Juice ALPHA-STEP® PC-48 AMPHOSOL® HCG-HP Glycerin</p> <p>=== Phase 2 === LATHANOL® LAL POWDER (or LATHANOL® LAL COARSE)</p> <p>=== Phase 3 === Microcare® BDB (Thor Specialties, Inc.)** STEPAN-MILD® L3 Fragrance</p> <p>=== Phase 4 === Citric Acid Sodium Hydroxide</p> <p>Total</p>	<p><u>% by Weight</u> <u>Functionality</u></p> <p>24.188 Moisturizing Agent 5.000 Surfactant 14.520 Surfactant 22.298 Humectant</p> <p>34.180 Primary Surfactant</p> <p>1.000 Preservative 2.000 Moisturizing Agent, Foam Booster q.s. Fragrance</p> <p>q.s. pH Adjuster q.s. pH Adjuster</p> <hr/> <p>100.000</p>
Procedure	<ol style="list-style-type: none"> 1. Add phase 1 ingredients into the main tank with regular mixing. Mix until uniform and begin heating batch to 75-80°C (167-176°F). 2. Once the batch reaches 75-80°C (167-176°F) and all ingredients from step 1 are incorporated, add phase 2 ingredients to the main tank with mixing. Continue regular to fast mixing until batch is uniform and all solids are dissolved. Begin cooling batch to 40°C (104°F). Note: Viscosity will gradually increase then break and become water thin. 3. At 40°C (104°F), add Phase 3 ingredients to the main tank with regular to fast mixing until uniform. 4. Adjust pH with Citric Acid or Sodium Hydroxide as needed to achieve the target pH. 5. Fill a metal tube with the formulation, ensuring it has the appropriate lining to prevent corrosion. The metal tube should be filled at 40°C (104°F). <p>**Microcare® BDB supplied by Thor Specialties, Inc. has the following INCI Name: Benzyl Alcohol (and) Benzoic Acid (and) Dehydroacetic Acid.</p>	
Physical Properties	Appearance, as is pH, 10% aqueous	Opaque, white, solid paste 5.0 - 6.0 (Target: 5.5)
Storage/ Stability	1 month at 25°C 1 month at 40°C	Stable Stable

	1 month at 5°C	Stable
	Freeze/Thaw, 3 cycles	Stable
Instructions for Use	Dispense a pea sized amount of the formulation into the hands and apply it to wet hair. Work into hair until desired lather is achieved. Rinse out with warm water.	
External Comment	Marketing Notes:	
Registered Trademarks of Stepan Company	ALPHA-STEP® AMPHOSOL® LATHANOL® STEPAN-MILD®	
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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