



Formulation

Name	HAIR CONDITIONING MASK WITH STEPANQUAT® SOLEIL	
No.	1383	
Description	This deep-treatment hair conditioning mask is designed to be used once a week to moisturize dry, thirsty hair with STEPANQUAT® Soleil, a naturally derived conditioning agent made from non-GMO sunflower oil. This formulation is China compliant.	
Formulation	INGREDIENTS:	<u>% by Weight</u> <u>Functionality</u>
	=== Phase 1 === Deionized Water	q.s. to 100.0 Carrier
	=== Phase 2 === NAFOL 1618 S (Sasol) Cetearyl Alcohol STEPANQUAT® Soleil Butyrospermum Parkii (Shea) Butter	5.0 Viscosity Builder 2.0 Conditioning Agent 0.9 Emollient Feel Enhancer
	=== Phase 3 === Tocopherol (Vitamin E) Euxyl® K900 (Schülke & Mayr SA) Silky Touch (Mane & Fils SA) Fragrance	0.2 Antioxidant 0.8 Preservative 0.2 Fragrance
	=== Phase 4 === Citric Acid, 50% Solution	q.s. pH Modifier
	Total	100.0
Procedure	<ol style="list-style-type: none"> 1. In a suitable container, add Deionized Water and heat water to 65°C (149°F). 2. In a separate container, melt Phase 2 ingredients together (NAFOL 1618 S, STEPANQUAT® Soleil, and Butyrospermum Parkii (Shea) Butter) with mixing at 65°C (149°F). 3. Add Phase 2 to Phase 1 with mixing. Use a dispersion mixer to emulsify. 4. Begin to cool the emulsion slowly to 40°C (104°F). 5. Add Phase 3 ingredients in the order noted above (Tocopherol, Euxyl K900 and Silky Touch). 6. Once at room temperature, adjust pH, if necessary, with Citric Acid, 50% Solution. <p>Note: Euxyl® K900 from Schülke & Mayr SA is Benzyl Alcohol, Ethylhexyl Glycerine and Tocopherol.</p>	
Physical Properties	Appearance, as is pH, as is Viscosity (Brookfield, LV2 V3), cps	Opaque thick cream 2.8 37,800
Storage/Stability	4 weeks at 20°C 4 weeks at 45°C 4 weeks at 5°C	Stable Stable Stable
Instructions for Use	Apply to hair and let stand for 5 minutes. Rinse hair thoroughly with water.	
External		

Comment

Marketing Notes: Marketing Notes: BCI = 88. Total Biorenewable Carbon Index (BCI) was calculated only for the Stepan surfactants used in this formulation. Other non-Stepan ingredients were not evaluated. For further information on Stepan's BCI, visit www.stepan.com. Sodium Benzoate and Potassium Sorbate have a strong negative impact on the viscosity and are consequently not recommended for hair masks. INCI listing of formulation: Aqua, Cetearyl alcohol, Dioleoyl ethyl Hydroxyethylmonium Methosulfate, Butyrospermum Parkii (Shea) Butter, Sunflower Seed Oil Glycerides, Benzyl Alcohol, Tocopherol, Perfume, Ethylhexylglycerin.

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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 011-334-76-505-100 (Europe).

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

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