



Natural Hair Conditioner

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This lightweight, nourishing conditioner is magic for your hair. The natural formula contains Karmyn™ to strengthen and protect while Hydresia™ SF2 provides ultimate hydration.

PHASE	%	INGREDIENT	INCI	FUNCTION
1	54.75	Deionized Water	Water	Aqueous Vehicle
1	1.00	Natrosol™ 250HHR CS	Hydroxyethylcellulose	Rheology Modifier
2	1.00	Karmyn™	<i>Carthamus Tinctorius</i> (Safflower) Seed Extract	Protein
2	10.00	Deionized Water	Water	Aqueous Vehicle
3	0.75	Keltrol® CG-SFT	Xanthan Gum	Rheology Modifier
3	3.00	Glycerin	Glycerin	Humectant
4	2.50	Lipocol® C - Natural	Cetyl Alcohol	Emulsion Stabilizer
4	2.50	Liponate® SPS-Veg Pastilles	Cetyl Esters	Emollient
4	2.00	Lipobutter® Organic Shea - DWJ	Butyrospermum Parkii (Shea) Butter	Natural Emollient
4	2.00	Lipovol® A	Persea Gratissima (Avocado) Oil	Natural Emollient
5	20.00	Hydresia™ SF2	<i>Carthamus Tinctorius</i> (Safflower) Oleosomes (and) Water	Multi-functional Emulsifier
6	qs	Sodium Hydroxide Sol. 25%	Sodium Hydroxide	Neutralizing Agent
7	0.50	D-Panthenol 75 W	Panthenol	Hair Active
8	qs	Preservative	Preservative	Preservative
	100.00%			

PROCEDURE:

1. Slowly mix in Natrosol™ 250HHR into Deionized Water in main vessel with medium speed propeller stirring.
2. Premix Karmyn™ and additional Deionized Water in side vessel. Once fully dispersed, add mixture to main vessel with continued thorough mixing. Start heating to approx. 75°C.
3. Mix Keltrol® CG-SFT and Glycerin into a slurry, then add to main vessel with continued thorough mixing.
4. Premix Phase 4 ingredients in side vessel and heat to approximately 75°C. Then, add to main vessel with continued thorough mixing. Start cooling.
5. Add Phase 5 ingredient at approximately 60°C with continued thorough mixing.
6. Add Phase 6 ingredient as needed to adjust pH to 4.5-5.0.
7. Add Phase 7 and 8 ingredients, one by one, at 50-55°C with continued thorough mixing.
8. Finish cooling to 25°C and pour into suitable container(s).

Product: Karmyn™ & Hydresia™ SF2

pH: 4.5-5.0

Stability: 1 month at 50°C

Formula Ref. #: 048-8

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