Natural Leave-in Conditioner

Phase	Ingredient	INCI designation	% w/w	Supplier
A	Sucragel AOF	*Glycerine & Prunus dulcis (Sweet Almond) Oil & Sucrose Laurate & Aqua*	6.0	Alfa Chemicals
B	Abysinnian Oil	*Crambe Abyssinica Seed Oil*	1.0	Fancor
B	Activeshine Amazon	*Orbignya speciosa kernel oil & Astrocarium murumuru butter*	4.0	Chemyunion
B	Shea Butter	*Butyrospermum parkii*	5.0	Interaxion
B	Sunflower Oil	*Helianthus Annuus (Sunflower) Seed Oil*	10.0	-
B	Natural Vitamin E	*Tocopherol*	0.1	BTSA
C	Water	*Aqua*	72.64	-
C	Kelcogel ® CG-HA	*Gellan gum*	0.06	CP Kelco
D	Euxyl K700	*Phenoxyethanol & Benzyl alcohol & Potassium sorbate & Water & Tocopherol*	0.90	Schulke
D	Hesperide Natflor RS26074	*Fragrance*	0.3	Technico Natflor

APPEARANCE:
White sprayable emulsion

MANUFACTURING PROCESS:
Heat phase A to 70℃
Heat phase B in another beaker to 70℃.
Using a propeller stirrer, slowly add Phase B into the Phase A mixing vigorously
Adjust the stirring speed upon the viscosity of the gel (it should increase as the oil is added).
Heat the water to 75℃
Disperse the gellan gum into the water phase using a homogeniser.
Add the oily gel into phase C using a homogeniser to form a thin white solution.
When cooled to room temperature add phase D.

STABILITY TESTS:
On stability at 45℃

This formula is presented in good faith, and we believe it is correct, but no warranty as to accuracy of results, or fitness for a particular use is given, nor is freedom from patent infringement to be inferred. It is offered solely for your consideration, investigation and verification.
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