



Conditioning Hair Protector

(*PROTOTYPE PRODUCT*)

A light, leave-in hair conditioner containing Jojoba Glaze® which functions to evenly disperse the sunscreens and forms a substantive barrier to protect the hair from sun and chlorine damage.

INCI NAME	TRADE NAME	FUNCTION	WT. %
Phase A			
Simmondsia Chinensis (Jojoba) Seed Oil (and) Ethylene/Propylene/Styrene Copolymer (and) Butylene/Ethylene/Styrene Copolymer	Jojoba Glaze® - LV ¹	Conditioner / Protector	2.00
Simmondsia Chinensis (Jojoba) Oil	Jojoba Oil Colorless ¹	Conditioner	2.00
Ethylhexyl Methoxycinnamate	Dermoblock OMC ²	UV Absorber	2.00
Titanium Dioxide	T-Cote 031 ³	Sun Block	1.00
Isododecane	Permethyl 99A ⁴	Solvent	9.00
Cetearyl Alcohol (and) Dicapryl Phosphate (and)	Crodafos CES ⁵	Emulsifier	2.00
Ceteth-10 Phosphate			
Dimethicone PEG-7 Phosphate	Pecosil PS-100 ⁶	Emulsifier	1.00
Phase B			
Deionized Water		Solvent	75.85
Pemulen TR-2	Acrylates / C10-30 Alkyl Acrylate Crosspolymer	Suspending Agent	0.15
Triethanolamine		Neutralizer	0.50
Propylene Glycol		Humectant	3.00
Phase C			
Fragrance	Cassis Flower #98221 ⁷	Fragrance	0.50
Phenoxyethanol (and) Methylparaben (and) Propylparaben (and) Butylparaben (and) Ethylparaben	Phenobact ²	Preservative	1.00
			100.0

Procedure

In suitable vessel, combine the Jojoba Glaze and T-Cote, mixing well until uniform. Add Jojoba Oil, OMC and Permethyl 99A while mixing until smooth and uniform. Add remaining Phase A ingredients, continue mixing and heat to 70-75C. Disperse the Pemulen in Phase B water with good mixing until uniform. Add remaining Phase B ingredients and heat to 70-75 C. Add Part A to Part B with mixing. Cover the batch to minimize loss of volatile material and mix until uniform at 70-75C for no less than 15 minutes. Cool to 35-40C while mixing. Add Part C, mix and cool to desired fill temperature. pH 7.0- 7.5

Note: Explosion proof and well-grounded equipment is required for mixing and handling Permethyl 99A.

Suppliers

¹ Desert Whale Jojoba Co.

² Alzo

³ Sun Smart

⁴ Presperse

⁵ Croda

⁶ Phoenix

⁷ AFF

~ CONDITIONING ~ DISPERSION ~ SUSPENSION ~

JOJOBA GLAZE - LV® is a registered trademark of Desert Whale Jojoba Co., Inc.

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