



**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. %
<b>Phase A</b>			
Simmondsia Chinensis (Jojoba) Seed Oil (and) Ethylene/Propylene/Styrene Copolymer (and) Butylene/Ethylene/Styrene Copolymer	Jojoba Glaze® - LV <sup>1</sup>	Conditioner / Protector	2.00
Simmondsia Chinensis (Jojoba) Oil	Jojoba Oil Colorless <sup>1</sup>	Conditioner	2.00
Ethylhexyl Methoxycinnamate	Dermoblock OMC <sup>2</sup>	UV Absorber	2.00
Titanium Dioxide	T-Cote 031 <sup>3</sup>	Sun Block	1.00
Isododecane	Permethyl 99A <sup>4</sup>	Solvent	9.00
Cetearyl Alcohol (and) Dicapryl Phosphate (and) Ceteth-10 Phosphate	Crodafos CES <sup>5</sup>	Emulsifier	2.00
Dimethicone PEG-7 Phosphate	Pecosil PS-100 <sup>6</sup>	Emulsifier	1.00
<b>Phase B</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
<b>Phase C</b>			
Fragrance	Cassis Flower #98221 <sup>7</sup>	Fragrance	0.50
Phenoxyethanol (and) Methylparaben (and) Propylparaben (and) Butylparaben (and) Ethylparaben	Phenobact <sup>2</sup>	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**

<sup>1</sup> Desert Whale Jojoba Co.

<sup>3</sup> Sun Smart

<sup>5</sup> Croda

<sup>7</sup> AFF

<sup>2</sup> Alzo

<sup>4</sup> Presperse

<sup>6</sup> Phoenix

**~ CONDITIONING ~ DISPERSION ~ SUSPENSION ~**

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

This information is based on our present state of knowledge. No warranty is expressed or implied as to the use or application of this product. The suitability and safety of the final formulation should be confirmed in all respects by appropriate evaluation.