

TEXTURIZING BLOW OUT STYLING PRODUCT

Hair Care

FORMULA#: 84-17-4

Lightweight styling cream that provides thermal protection, shine, and frizz control.

Application: Apply one to two pumps in hands and rub together, disperse evenly over damp hair, and blow-dry with a round brush or heat style as desired.

HIGHLIGHTED INGREDIENTS

INGREDIENT	FUNCTION
INDOPOL® H-100	Uniquely versatile liquid polybutene polymer with a honey-like consistency and excellent film forming capabilities.
PANALANE® L-2E	It provides excellent spreadability with a smooth, non-greasy feel often found with other traditional ester emollients.
SILKFLO® 362	Light, silky emollient that provides moisturization and has non-oily feel and great spreadability. Can be used as a dispersing agent for pigments.
PELLICER® L-30	Peptide-like, plant-derived, multifunctional active ingredient. It has excellent surface-active properties and functions in emulsification and dispersion at very low use levels. Its ceramide-like Gemini structure also gives it a high affinity to skin and hair, providing moisturizing and damage repair properties.
BIOGENIC CAFFEINE-210-WS	Encapsulated and stabilized form of caffeine. Enables high concentrations in aqueous formulations without recrystallization. Helps increase appearance of hair density.
BIOGENIC ADENOSINE-30	Water soluble encapsulates Adenosine with an active concentration of 25-35%. Helps restore hair vitality.
LIPIDURE® C	Active cationic, biocompatible polymer with excellent moisture retention properties. It acts by smoothing hair cuticles, to restore the strength of damaged hair and to reduce static electricity
D-PANTHENOL 75%	A more stable version of pantothenic acid (Vitamin B5). D-Panthenol gives good moisturizing and anti-inflammatory properties. It is a good humectant for hair, and spreads evenly making hair easier to comb.

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FORMULATION

PHASE	TRADE NAME	INCI NAME	SUPPLIER	% W/W
A	DI Water	Water (Aqua)		70.60
	Sodium Phytate	Sodium Phytate		0.05
	Citric Acid Solution 10%	Water (and)Citric Acid		0.35
	Styleze™ ES-Dura	Guar Hydroxypropyltrimonium Chloride	Ashland	1.00
B	SILKFLO® 362	Hydrogenated Didecene	Presperse	1.00
	Natrosol™ 250 HHR Hydroxyethylcellulose, PC Grade	Hydroxyethylcellulose	Ashland	0.75
C	SymSave® H	Hydroxyacetaphenone	Symrise	0.30
D	Cetearyl Alcohol	Cetearyl Alcohol	Protameen	1.50
	Glyceryl Stearate	Glyceryl Stearate	Jeen	0.50
	ProCondition™ 22	Brassicamidopropyl Dimethylamine	Inolex	2.50
	INDOPOL® H-100	Polybutene	Presperse	2.00
	PANALANE® L-2E	Hydrogenated Polyisobutene	Presperse	3.00
E	LIPIDURE® C	Water (and) Polyquaternium-64 (and) Phenoxyethanol	Presperse	2.00

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PROCEDURE

PHASE	TRADE NAME	INCI NAME	SUPPLIER	% W/W
E	BIOGENIC CAFFEINE-210-WS	Caffeine (and) Maltodextrin (and) Xanthan Gum (and) Hydroxyethylcellulose (and) Salicylic Acid (and) Phenoxyethanol	Presperse	1.50
	BIOGENIC ADENOSINE-30	Isoniacinamide (and) Adenosine (and) Cyclodextrin (and) Hydroxypropyl Cyclodextrin (and) Disodium EDTA	Presperse	4.00
	D-PANTHENOL 75%	Panthenol (and) Water (and) Citric Acid	Presperse	2.00
	PELLICER® L-30	Water (and) Sodium Dilaureamidoglutamide Lysine	Presperse	0.20
	SYMDIOL® 68	1,2-Hexanediol (and) Caprylyl Glycol	Symrise	0.50
F	CITRIC ACID SOLUTION 10%	Water (and)Citric Acid		6.25

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1. Begin heating Phase A to 80 °C. Add Phase A ingredients one by one. Ensure to bring pH down to 4.4-4.5 before adding the Styzeze™ ES Dura material.

2. Mix Silkfil® 362 with Hydroxyethylcellulose and add to Phase A mixture.

3. Once batch is heated to 45°C add Phase C.

4. In a separate beaker heat to 80 °C and mix all ingredients in Phase D together until uniform.

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5. Add Phase D to ABC mixture. Once batch appears uniform and is cooled to 40°C add Phase E ingredients.
6. pH will be over 7.5. Add citric acid solution until batch is below 5.5. Product will become whiter and stabilize.

SPECIFICATIONS

Appearance: White lotion

pH = 5.48

Viscosity = TBA

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