

Hairspring

Gel Emulsion

Formulation 02409



Attributes

Curl Retention
Clear Gel
Frizz Control
Pomade "Ringing" Gel
Curl Definition
Sun Protection (Not Tested)
Long Lasting Styling
Natural Styling

Components

Phase	Order	Ingredient	INCI Name	Wt%	Supplier	Trade Name
A		DOWSIL™ 3901 Liquid Satin Blend	Dimethicone (and) Dimethicone/Vinyl Dimethicone Crosspolymer	5		
A		Isohexadecane	Isohexadecane	7		
B		PEG-7 Glyceryl Cocoate	PEG-7 Glyceryl Cocoate	10		
B		Fragrance	Fragrance	0.5		
B		Cetareth-20	Cetareth-20	25		
B		Neo Heliopan AV	Ethylhexyl Methoxycinnamate	2		
C		0.1% Blue No.1 - C.I.42090 in Water	0.1% Blue No.1 - C.I.42090 in Water	0		
C		Acrylates/Hydroxyesters Acrylates Copolymer	Acrylates/Hydroxyesters Acrylates Copolymer	1		
C		VERSENE™ Na2 Crystal Chelating Agent	Disodium EDTA	0.1		
C		Triethanolamine	Triethanolamine	1		
C		Glycerin	Glycerin	15		
C		Phenoxyethanol (and) Ethylhexylglycerin	Phenoxyethanol (and) Ethylhexylglycerin	1		
C		Water	Water	32.4		

Procedure

Step	Process
1	Mix ingredients of phase A together.
2	Add phase B ingredients to phase A in order listed.
3	Mix phase AB and heat to 80°C.
4	Pre-mix preservative and glycerine.
5	Mix ingredients of phase C together in order listed.
6	Heat phase C to 80°C.
7	Mix until homogenous at low speed (200 rpm) for few minutes.
8	Fill in jars while the temperature is still at 70-80°C.
9	Once the temperature of phase AB and phase C reached 80°C, slowly add phase C to phase AB.

Stability

Stable for at least 2 months at room temperature and 45°C.

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