

Quick-Fix, Protect Spray

Hair Spray

Formulation 02454



Attributes

- Non-Tacky
- Restores Hair's Hydrophobic State
- Reduces Combing Forces
- Improves Sensory Profile
- Protects Hair from Breakage
- Long Lasting Performance
- Contains UVA & UVB Filters

Components

Phase	Order	Ingredient	INCI Name	Wt%	Supplier	Trade Name
A		Water	Water	14.8		
A		VERSENE™ Na2 Crystal Chelating Agent	Disodium EDTA	0.1		
A		Lauryl Glucoside	Lauryl Glucoside	1		
A		Xanthan Gum	Xanthan Gum	0.2		
A		Kiwi Fruit Water	Actinidia Chinensis (Kiwi) Fruit Water	0.2		
A		Glycerin	Glycerin	3		
B		DOWSIL™ OFX-5329 Fluid	PEG-12 Dimethicone	2		
B		Glyceryl Stearate SE	Glyceryl Stearate SE	0.5		
B		DOWSIL™ 5562 Carbinol Fluid	Bis-Hydroxyethoxypropyl Dimethicone	1		
B		DOWSIL™ 8500 Conditioning Agent	Bis (C13-15 Alkoxy) PG Amodimethicone	1		
B		XIAMETER™ PMX-200 Silicone Fluid 5 cSt	Dimethicone	2		
B		Glyceryl Stearate Citrate	Glyceryl Stearate Citrate	1		
B		Butyl Methoxydibenzoylmethane	Butyl Methoxydibenzoylmethane	1		
B		Octocrylene	Octocrylene	4		
B		C12-15 Alkyl Benzoate	C12-15 Alkyl Benzoate	2		
C		Water	Water	61.48		
C		Neo Heliopan Hydro	Phenylbenzimidazole Sulfonic Acid	1.5		
C		Triethanolamine	Triethanolamine	1.25		
C		Propylene Glycol	Propylene Glycol	0.5		
D		Citric Acid	Citric Acid	0		
D		DMDM Hydantoin	DMDM Hydantoin	0.5		

Phase	Order	Ingredient	INCI Name	Wt%	Supplier	Trade Name
D		Fragrance	Fragrance	0.7		
D		0.1% Blue No.1 - C.I.42090 in Water	0.1% Blue No.1 - C.I.42090 in Water	0.09		
D		Yellow No.5 - C.I.19140 (0.1% in Water)	Yellow No.5 - C.I.19140 (0.1% in Water)	0.18		

Procedure

Step	Process
1	Mix ingredient 1, 2, 3 and heat to 70°C.
2	Add Ingredient 4.
3	Add Ingredient 6.
4	In a separate vessel, combine phase B ingredients.
5	Heat phase B ingredients at 70°C using a water bath.
6	Add ingredient 5 (by sprinkling).
7	Mix phase B ingredients together until all ingredients are completely dissolved.
8	Add phase B to phase A slowly, with mixing, and maintaining mixture temperature at 70°C.
9	Cool to room temperature while gently mixing.
10	In a separate vessel, combine phase C ingredients.
11	Add phase C to AB with gentle mixing.
12	Add phase D ingredients in order listed under stirring and homogenize until uniform.
13	Adjust pH to 4.0-4.5 with citric acid.

Stability

Stable for 1 month at RT.

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