



Tame

De-Frizz Wand

We see you flyaways, and we're coming straight for you with our TAME De-frizz wand. Whether you're going for a slicked back look, or just loose defined bouncy curls and waves, we've got you covered. This small but mighty wand is the perfect instant style tool for frizz reduction, curl definition and to tuck in stubborn strays quickly and smoothly. For use on hair only, not intended for lashes!

In this formulation, we paired the versatile MaizeCare™ Style Polymer with:

DOWSIL™ CE-7081 Smart Style

A nonionic emulsion with a unique crosslinked structure and amino functionality that provides conditioning and styling properties such as curl retention, curl memory, definition, dry combing, and smoothness.

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PHASE	TRADE NAME	INGREDIENTS	SUPPLIER	% BY WT
A		Deionized Water		45.00
	MaizeCare™ Style Polymer	Water	Univar Solutions/ Dow	2.00
		Caprylhydroxamic Acid (and) Glycerol Caprylate (and) Glycerin		1.00
B	Deionized Water	Water		39.30
C	Glycerin, USP	Glycerin	Univar Solutions	2.00
	DOWSIL™ CE-7081 Smart Style	Silicone Quaternium-16/Glycidoxo Dimethicone Crosspolymer (and) Undeceth-11 (and) Undeceth-5	Univar Solutions/ Dow	4.00
D		Fragrance		0.30
	Poly Suga®Mulse D-9	Sorbitan Oleate Decylglucoside Crosspolymer	Univar Solutions/ Colonial	0.60
E	Citric Acid, Anhydrous FCC USP	Citric Acid (33% solution)	Univar Solutions	qs
	Deionized Water	Water		qs
				100.00

PROCEDURE

1. Add MaizeCare™ Style Polymer to water with mixing and heat to 50°C, continuing to mix until fully dispersed before adding next ingredients in phase A.
2. Combine phase B ingredients with mixing and homogenize for 7 minutes at 10,000 rpm.
3. Add phase A to phase B with mixing.
4. Add Phase C ingredients to phase AB sequentially with mixing.
5. Pre-mix phase D ingredients and add to phase ABC.
6. Qs with citric acid as needed to reach pH of 6.0-6.5 and qs with remainder of water.

PROPERTIES

pH 6.0-6.5
 % Naturally-derived = 95.7%
 Viscosity 62,000 cP (T-D, 25°C, 5 rpm)
 40,000 cP (T-D, 25°C, 10 rpm)
 25,000 cP (T-D, 25°C, 20 rpm)

