



DOW



MaizeCare™ Style Polymer

Formulations



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Stay My Way – Styling Wax

(CPF 4162)

MAZECARE™

style polymer by 

Stay My Way – Styling Wax (CPF 4162)

Phase	Trade name	Supplier	INCI name	Wt%
A	Water		Water	54.16
	<u>FOAMYSENSE™ 301 Polymer</u>	Dow	PEG-90M	0.05
	<u>MaizeCare™ Style Polymer</u>	Dow	Hydrolyzed Corn Starch	3.00
B	Crodamol AB	Croda	C12-15 Alkyl Benzoate	9.00
	Sunflower Seed Oil	Bramble Berry	Sunflower Seed Oil	7.00
	Ozokerite Wax	Making Cosmetics	Ozokerite Wax	7.00
	Carnauba Wax	Making Cosmetics	Carnauba Wax	2.00
	Crodacol CS50	Croda	Cetearyl Alcohol	3.00
	Arlacel 165	Croda	Glyceryl Stearate (and) PEG-100 Stearate	12.00
	PEG-40 Hydrogenated Castor Oil	Making Cosmetics	PEG-40 Hydrogenated Castor Oil	1.50
C	Euxyl PE 9010	Schülke & Mayr	Phenoxyethanol (and) Ethylhexylglycerin	0.99
	White Amber Sandalwood	Givaudan	Fragrance	0.30

Contained in this package is a sample prepared as per the formulation described on this card. Any variation in the formulation/ procedure may cause performance to change.

Processing instructions:


1. Weigh and heat the water to approximately 80°C.
2. While the water is heating and mixing, weigh and sift in FOAMYSENSE™ 301 Polymer and MaizeCare™ Style. Cover the vessel to avoid water loss during heating.
3. Combine phase B ingredients in a separate vessel and heat to approximately 80°C while mixing.
4. When all the ingredients are dissolved and dispersed, add phase B to phase A at approximately 500-600 RPM.
5. Slowly cool the formulation.
6. Add phase C ingredients at approximately 55-60°C.
7. Pour the formulation into the final container at approximately 45-50°C.
8. Let the formulation sit overnight to achieve final viscosity.

A smiling woman with curly hair is on the left side of the image. The background on the right is a blue-tinted image of a cornfield. A red box with a teal border is centered over the image.

Tame Me Turmeric – Spray

(CPF 4163)

MAZECARE™

style polymer by 

Tame Me Turmeric – Spray (CPF 4163)

Trade name	Supplier	INCI name	Wt%
Water		Water	94.4
<u>MaizeCare™ Style Polymer</u>	Dow	Hydrolyzed Corn Starch	2.0
Sunflower Petal Extract	Making Cosmetics	Glycerin, Water, Helianthus Annuus (Sunflower) Petal Extract, Phenoxyethanol	0.1
Horse Chestnut Extract	Making Cosmetics	Glycerin, Water, Aesculus Hippocastanum (Horse Chestnut) Seed Extract	0.1
Tween 20	Croda	Polysorbate 20	0.3
<u>DOWSIL™ CE-8411 Smooth Plus Emulsion</u>	Dow	Bis-Diisopropanolamino-PG-propyl Dimethicone/Bis-Isobutyl PEG-14 Copolymer (and) Polysorbate 20 (and) Butyloctanol	2.0
NEOLONE PH 100 Preservative	DuPont	Phenoxyethanol	0.9
Turmeric Smoothie	Givaudan	Fragrance	0.1

Contained in this package is a sample prepared as per the formulation described on this card. Any variation in the formulation/ procedure may cause performance to change.

Processing instructions:

1. Weigh the water and begin mixing (~ 300 RPM).
2. While the water is mixing, weigh and sift in MaizeCare™ Style Polymer. [Note: The MaizeCare™ Style Polymer can be cold processed, but heating can be used to speed the rate of dispersion. Cover the vessel to avoid water loss during heating.]
3. Once the MaizeCare™ Style Polymer is fully dispersed, add the remaining ingredients in the order listed.
4. Mix well after all the ingredients have been added.



“Ah” Maize Me – Cream Gel

(CPF 4164)

MAIZECARE™

style polymer by 

“Ah” Maize Me – Cream Gel (CPF 4164)

Phase	Trade name	Supplier	INCI name	Wt%
A	Water		Water	78.46
	MaizeCare™ Style Polymer	Dow	Hydrolyzed Corn Starch	3.0
	Zemea Propanediol	DuPont	Propanediol	1.0
	Tween 60	Croda	Polysorbate 60	1.35
B	Shea Butter	Bramble Berry	Butyrospermum Parkii (Shea) Butter	0.5
	Cocoa Butter	Bramble Berry	Theobroma Cacao (Cocoa) Seed Butter	1.5
	Avocado Oil	The Sage	Persea Gratissima (Avocado Oil)	0.1
	Sweet Almond Oil	Bramble Berry	Prunus Amygdalus Dulcis (Sweet Almond Oil)	0.1
	Crodacol C70-PA	Croda	Cetyl Alcohol	2.0
	Crodamol CGTCC-LQ	Croda	Caprylic/Capric Triglyceride	5.0
	SPAN 40	Croda	Sorbitan Palmitate	1.65
	ACULYN™ Siltouch Rheology Modifier	Dow	Sodium Acrylate/Sodium Acryloyldimethyl Taurate Copolymer (and) Dimethicone (and) Trideceth-6 (and) PEG/PPG-18/18 Dimethicone	2.0
C	Euxyl PE 9010	Schülke & Mayr	Phenoxyethanol (and) Ethylhexylglycerin	0.99
	Green Coconut	Givaudan	Fragrance	0.15
	ACULYN™ 88 Rheology Modifier	Dow	Acrylates/Steareth-20 Methacrylate Crosspolymer	2.0
	AMP Ultra PC 2000	Angus	Aminomethyl Propanol	0.2

Contained in this package is a sample prepared as per the formulation described on this card. Any variation in the formulation/procedure may cause performance to change.

Processing instructions:


1. Weigh and heat the water to approximately 75°C.
2. While the water is heating and mixing, weigh and sift in MaizeCare™ Style Polymer. Cover the vessel to avoid water loss during heating.
3. Once the MaizeCare™ Style Polymer is fully dispersed, add the remaining phase A ingredients.
4. Combine phase B ingredients in a separate vessel and heat to approximately 75°C while mixing.
5. When all the ingredients are dissolved and dispersed, add phase B to phase A, at approximately 500-600 RPM.
6. Allow the formulation to mix for approximately 5-10 minutes, and let it cool.
7. Add phase C ingredients in the order listed, at approximately 50°C.
8. Transfer the formulation to the final container.
9. Let the formulation sit overnight to achieve final viscosity.



My Go to Green – Gel

(CPF 4165)

MAZECARE™

style polymer by 

My Go to Green – Gel (CPF 4165)

Trade name	Supplier	INCI name	Wt%
Water		Water	91.09
MaizeCare™ Style Polymer	Dow	Hydrolyzed Corn Starch	1.00
ACULYN™ 88 Rheology Modifier	Dow	Acrylates/Steareth-20 Methacrylate Crosspolymer	5.75
Tween 20	Croda	Polysorbate 20	0.50
Euxyl PE 9010	Schülke & Mayr	Phenoxyethanol (and) Ethylhexylglycerin	0.99
0.1% Green Dye Solution		FD&C Blue #1, FD&C Yellow #5	0.07
Green Tea & Cucumber	Givaudan	Fragrance	0.05
AMP Ultra PC 2000	Angus	Aminomethyl Propanol	0.55

Contained in this package is a sample prepared as per the formulation described on this card. Any variation in the formulation/procedure may cause performance to change.

Processing instructions:

1. Weigh the water and begin mixing (~ 300 RPM).
2. While the water is mixing, weigh and sift in MaizeCare™ Style Polymer. [Note: The MaizeCare™ Style Polymer can be cold processed, but heating can be used to speed the rate of dispersion. Cover the vessel to avoid water loss during heating.]
3. Once the MaizeCare™ Style Polymer is fully dispersed, add the remaining ingredients in the order listed.
4. Mix well after all the ingredients have been added. [Note: mixing may take 10-20 minutes for the formulation to thicken after the base is added.]

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