

Guide Formulation

Voluminizing mascara with AEROSIL® 200

AEROSIL® 200 as a rheology modifier and stabilizer for a voluminous look

PHASE	INGREDIENTS	INCI NAME	% W/W	FUNCTION
1	TEGOSOFT® PSE 141 G	Sucrose stearate	2.0	Co-Emulsifier
	TEGO® CARE 450	Polyglyceryl-3 methylglucose distearate	1.0	Emulsifier
	TEGO® Alkanol 18	Stearyl alcohol	1.0	Consistency enhancer
		Candelilla cera	1.0	Consistency enhancer
		Cera carnauba	2.5	Consistency enhancer
		Cera alba (beeswax)	1.5	Consistency enhancer
		Synthetic beeswax	2.1	Consistency enhancer
		Adipic acid	2.4	pH adjustment
		Diethylene glycol glycerin crosspolymer iron oxide	10.0	Pigment
2		Water	63.0	Water
		Butylene glycol	6.0	Humectant
		Triethanolamine	1.5	Emulsion Enhancer
		Acrylates/octylacrylamide copolymer	3.5	Thickener
		Preservative	q.s.	Preservative
		Phenethyl alcohol	0.5	Preservative
3	AEROSIL® 200	Silica	2.0	Thickener/stabilizer
	Total		100.0	

PROCESSING

- Combine the ingredients TEGOSOFT® PSE 141 G through adipic acid of phase 1
- Heat to 85–90 °C to melt the waxes
- Add and disperse diethylene glycol glycerin crosspolymer iron oxide
- Add and disperse acrylates/octylacrylamide copolymer in cold water, butylene glycol and triethanolamine
- Heat while stirring to 85 °C, stir until acrylates/octylacrylamide copolymer is completely dissolved
- Add phase 2 to phase 1 while stirring, stir for 10 min
- Cool to 40 °C while stirring and add phase 3, stir for 5 min
- Cool to 30–32 °C
- Homogenize
- Viscosity may be adjusted with AEROSIL® 200

Note: All formulations have been subjected to stability tests and have been shown to perform well. However, formulators should always perform their own stability tests when adapting formulations and / or using raw materials from other sources.

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