



VOLUMIZING MASCARA

<u>Product Name</u>	<u>INCI Name</u>	<u>%W/W</u>	<u>Supplier</u>
Phase A			
Deionized Water	Water	46.80	N/A
Keltrol CG	Xanthan Gum	0.15 CP	Kelco
Veegum HV	Magnesium Aluminum Silicate	0.40 RT	Vanderbilt
Phase B			
Phenonip	Phenoxyethanol (& Methylparaben (& Butylparaben (& Ethylparaben (& Propylparaben	0.50	Clariant
Dissolve NA-2	Disodium EDTA	0.05	Akzo Noble
Protachem GL-26 Inc.	Glycereth-26	1.00	Protameen Chemicals
AMP Ultra PC 2000	2-Amino-2-Methyl-1- Propanol	0.10	ANGUS Chemical Co.
Phase C			
Lipo SFS-5	Isododecane (& Hydrogenated Polydecene (&) Bis-Behenyl/Isostearyl/ Phytosteryl/Dimmer Dilinoleyl Dimer Dilinoleate	5.00	Lipo Chemicals
Panalane L-14E	Hydrogenated Polybutene	2.00	Lipo Chemicals
Beeswax (White)	Beeswax	3.00	Koster Keunen, LLC
Lipovol J	Simmondsia Chinensis (Jojoba) Seed Oil	0.50	Lipo Chemicals
Hystrene 9718 NF EXT PWDR	Stearic Acid	2.00	PMC Biogenix
Arlacel 165	Glyceryl Stearate (& PEG -100 Stearate	2.00	Croda
Lipocol S	Stearyl Alcohol	1.50	Lipo Chemicals
Permethyl 284C	C15-19 Alkane (& C12 -14 Isoparaffin (& Polyisobutene	4.00	Presperse LLC
Microcare 350	Copernicia Cerifera (Carnauba) Wax	1.50	Micro Powders, Inc.
Micropoly 220L	Polyethylene	3.50	Micro Powders, Inc.
Phase D			
DC 5225C	Cyclopentasiloxane (& PEG/PPG-18/18 Dimethicone	1.00	Dow Corning
Black Iron Oxide (C7133)	Iron Oxide	10.00	Sensient LCW
Dow Corning 749 Fluid	Cyclopentasiloxane (& Trimethylsiloxisilicate	15.00	Dow Corning

Procedure

1. In a main kettle, combine the Phase A ingredients one at a time. Mix with low shear homogenization and slight heating for 30 min. until all are completely dissolved.
2. When Phase A is completely dissolved, add the Phase B ingredients one at a time and homogenization until completely dissolved.
3. When Phase B is completely dissolved, heat to 80 degrees C under homogenization.
4. Pre-mix the ingredients of Phase D in a separate container until uniform.
5. In a separate vessel, weigh the components of Phase C and begin heating to 80 degrees C. Mix until all the waxes are completely melted and dissolved.
6. When both phases are 80 degrees C and uniform, slowly add Phases A&B to Phase C and homogenize for 15 min.
7. Begin to slow cool the batch. When the temperature reaches 45 degrees C, slowly add premixed Phase D under homogenization. Mix until uniform.
8. Switch to side wiper or paddle agitation, and continue to cool batch to room temperature. When batch is at room temperature, store in appropriate containers.