



MICRO POWDERS, INC.

Specialty Micronized Wax Additives

M-1702: VOLUMIZING MASCARA WITH MICROCARE 350 (Volumizing with Long Wear)			
INGREDIENT	INCI NAME	% W/W	SUPPLIER
Phase A			
Deionized Water	Water	46.30	N/A
Keltrol CG	Xanthan Gum	0.15	Kelco
Veegum HV	Magnesium Aluminum Silicate	0.40	Vanderbilt Minerals, LLC
Phase B			
Optiphen PO	Phenoxyethanol	0.50	Ashland LLC
Optiphen OD	Caprylyl Glycol	0.50	Ashland LLC
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
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 Colors LLC
Dow Corning 749 Fluid	Cyclopentasiloxane (&) Trimethylsiloxisilicate	15.00	Dow Corning
Total		100%	

Procedure

- In a main kettle, combine the Phase A ingredients one at a time. Mix with low shear homogenization and slight heating for 30 minutes until all are completely dissolved.
- When Phase A is completely dissolved, add the Phase B ingredients one at a time and homogenization until completely dissolved.
- When Phase B is completely dissolved, heat to 80°C under homogenization.
- Pre-mix the ingredients of Phase D in a separate container until uniform.
- In a separate vessel, weigh the components of Phase C and begin heating to 80°C. Mix until all the waxes are completely melted and dissolved.
- When both phases are 80°C and uniform, slowly add Phases A&B to Phase C and homogenize for 15 minutes.
- Begin to slow cool the batch. When the temperature reaches 45°C, slowly add pre-mixed Phase D under homogenization. Mix until uniform.
- 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.

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