PHOENIX CHEMICAL, INC.
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Silky Smooth Hydrating Makeup - ARL-20-79-1

	INGREDIENT	INCI	Supplier	% W/W
A	Deionized Water			65.05
A	**Phoenoxol® BD-10P**	**PPG-10 Butanediol**	**Phoenix Chemical, Inc.**	2.50
B	Glycerin 99.5% USP	Glycerin	Dow Chemical	2.50
B	Natrosol Plus 330 CS	Cetyl Hydroxyethylcellulose	Ashland	0.10
B	Keltrol T	Xanthan Gum	CP Kelco	0.50
C	SIH-5 TiO2 R250	Titanium Dioxide (and) Silica (and) Aluminum Hydroxide	Kobo Products	10.00
C	SIH-2 YELLOW No.602P	Iron Oxides (CI 77492) (and) Silica	Kobo Products	1.25
C	SIH-2 RED No.211P	Iron Oxides (CI 77491) (and) Silica	Kobo Products	0.75
C	SIH-2 BLACK No.710P	Iron Oxides (CI 77499) (and) Silica	Kobo Products	0.25
C	Impact Matte Mica T	Mica	Sandream	0.75
C	Argel CBH White R.E.M	Bentonite	Arclay Natural	0.75
C	Softouch CC6059 Boron Nitride Powder	Boron Nitride	Momentive Performance Materials	1.25
D	Cerasynt SD	Glyceryl Stearate	Ashland	0.50
D	**Pelemol® GMLA**	**Glyceryl Laurate**	**Phoenix Chemical, Inc.**	0.35
D	**Pelemol® D5R-V**	**Propanediol Dicaprylate/Caprate (and) Diisostearyl Malate**	**Phoenix Chemical, Inc.**	2.35
D	**Pelemol® P-810**	**Propanediol Dicaprylate/Caprate**	**Phoenix Chemical, Inc.**	2.65
D	**Pelemol® P-1263**	**Polyglyceryl-10 Hexaoleate (and) Polyglyceryl-6 Polyricinoleate**	**Phoenix Chemical, Inc.**	1.00
D	**Pelemol® DISM**	**Diisostearyl Malate**	**Phoenix Chemical, Inc.**	1.00
D	Simulgreen 18-2	Hydroxystearyl Alcohol (and) Hydroxystearyl Glucoside	Seppic Chemical	1.50
D	**Pelemol® 899**	Isononyl Isononanoate (and) Ethylhexyl Isononanoate	**Phoenix Chemical, Inc.**	5.00
E	Preservative			q.s.
	Total			100.00

Combine Phase A with mixing and begin heating to 70°-75°C. Combine Phase B and add this blend to the water phase, mixing until gums have swelled. Premix and pulverize Phase C, then add Phase C to Phase A/B. Homogenize batch until Phase A/B/C is uniform. Maintain temeprature. In a separate vessel, combine Phase D and heat to 70°-75°C. When the temperature of the water phase (A/B/C) is the same as the temperature of the oil phase (D), add Phase D into Phase A/B/C under homogenization. Homogenize for 15 minutes or until batch is uniform throughout and all pigments are dispersed. Swtich to side sweep agitation. Begin to cool the batch to 45°-50°C. At 45°-50°C add Phase E and continue to mix using side sweep. Continue mixing and cooling the batch to room temperature.

Ingredient	Function
Phoenoxol® BD-10P	Reduces heaviness and any greasiness in the formulation and adds light emolliency
Pelemol® GMLA	100% vegetable derived emulsifier and conditioning agent
Pelemol® D5R-V	Cyclomethicone (D-5) replacement. Mimics all properties and aesthetics. 100% vegetable derived
Pelemol® P-810	100% vegetable derived dry ester. Helps reduce tack in finished formulation
Pelemol® P-1263	Water-in-oil polymeric emulsifier
Pelemol® DISM	Adds light, silky emolliency
Pelemol® 899	Light cushion ester. Reduces tack and improves spreadability

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