

Skin-Caring Longwear Foundation

Formula composition:

GDS261013FD-1

No.	Phase	Trade name	INCI	%	Supplier	Note
1	A	GDSOft 9041	DIMETHICONE, DIMETHICONE/VINYL DIMETHICONE CROSSPOLYMER	2.00		Skin Feel Modifier
2		DT101	CETYL PEG/PPG-10/1 DIMETHICONE	1.00		Emulsifier
3		SC95	LAURYL PEG-8 DIMETHICONE	2.73		Emulsifier
4		300R	POLYHYDROXYSTEARIC ACID	0.37		Pigment Dispersant
5		GDPearl CR-50ASM Slurry (60% Pigments)	60% CR-50ASM, 2% POLYGLYCERYL-3 POLYDIMETHYLSILOXYETHYL DIMETHICONE, 2% LAURYL PEG-8 DIMETHICONE, 1% POLYHYDROXYSTEARIC ACID, 35% CYCLOPENTASILOXANE	13.50	GREENZN	Colorant
6		2EHS	ETHYLHEXYL STEARATE	4.00		Emollient
7		SF PCA	PCA DIMETHICONE	0.50		Emollient
8		KF995	CYCLOPENTASILOXANE	13.00		Emollient

Disclaimer:

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No.	Phase	Trade name	INCI	%	Supplier	Note
9	A	GD Pearl IY 32AS Slurry (60% Pigments)	60% CI 77492, 3% POLYGLYCERYL- 3 POLYDIMETHYLSILOXYETHYL DIMETHICONE, 3% POLYHYDROXYSTEARIC ACID, 34% CYCLOPENTASILOXANE	1.20		Colorant
10		GD Pearl IR 75AS Slurry (60% Pigments)	60% CI 77491, 3% POLYGLYCERYL- 3 POLYDIMETHYLSILOXYETHYL DIMETHICONE, 3% POLYHYDROXYSTEARIC ACID, 34% CYCLOPENTASILOXANE	0.50		Colorant
11		GD Pearl IB 33AS Slurry (40% Pigments)	40% CI 77499, 2% POLYGLYCERYL- 3 POLYDIMETHYLSILOXYETHYL DIMETHICONE, 2% POLYHYDROXYSTEARIC ACID, 56% CYCLOPENTASILOXANE	0.20		Colorant
12		GD Pearl MS	MAGNESIUM STEARATE	0.80		Skin Feel Modifier
13		GDResin 102A	TRIMETHYLSILOXYSILICATE	2.00	GREENZN	Film-former
14		RB-24	DIMETHICONE, TRIMETHYLSILOXYSILICATE	2.00		Film-former
15		GD Pearl EM 05AS	MICA, TRIETHOXYCAPRYLYLSILANE	3.00	GREENZN	Filler
16		GD Pearl PQ 05	POLYMETHYLSILSESQUIOXANE	1.20	GREENZN	Filler
17		BENTONE 38 V CG	DISTEARDIMONIUM HECTORITE	0.50		Thickener

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No.	Phase	Trade name	INCI	%	Supplier	Note
18	A	Alcohol	ALCOHOL	0.20		Solvent
19		THIXCIN® RPC	TRIHYDROXYSTEARIN	0.30		Emollient
20	B	Xanthan Gum	XANTHAN GUM	0.05		Thickener
21		Sodium Chloride	SODIUM CHLORIDE	1.00		Emulsion Stabilizer
22		Glycerin	GLYCERIN	5.00		Humectant
23		Butylene Glycol	BUTYLENE GLYCOL	5.00		Humectant
24		PE91	PHENOXYETHANOL, ETHYLHEXYLGLYCERIN	0.60		Preservative
25		Water	WATER	38.65		Solvent
26		AC15	CYCLOPENTASILOXANE, ACRYLATES/DIMETHICONE COPOLYMER	0.50		Film-former
27	D	SLA1170	PARFUM	0.20		Parfum

Process:

1. Weigh GDSOft 9041 for Phase A first, add it into silicone oil slowly and disperse evenly. Then add the remaining ingredients, heat to 75–80°C and homogenize for 3 minutes.
2. Mix powders of Phase B with polyols thoroughly, then add water and heat to 75–80°C until fully dissolved.
3. Add Phase B into Phase A under stirring. After completing the addition of Phase B, stir for 2 minutes. Add Phase C and mix well, then homogenize from low to high speed for 3 minutes.

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4. Cool down under stirring. When the temperature drops to 42°C, replenish water to 101% (add the supplementary water slowly), then keep stirring for 5 minutes.
5. Add Phase D and stir until homogeneous.

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