

Quadra-Coat Soft Matte Foundation

Formula composition:

GDS260917FD-1

No.	Phase	Trade name	INCI	%	Supplier	Note
1	A	KF995	CYCLOPENTASILOXANE	4.50		Emollient
2		KSG-210	DIMETHICONE, DIMETHICONE/PEG-10/15 CROSSPOLYMER	3.00		Emulsifier
3		KF-6017	PEG-10 DIMETHICONE	2.10		Emulsifier
4		SF-906(5)	DIMETHICONE	2.20		Emollient
5		SF-906(10)	DIMETHICONE	3.00		Emollient
6		GDSOft 556	PHENYL TRIMETHICONE	3.50		Emollient
7		GDSOft 56A	PHENYL METHICONE	3.50		Emollient
8	B	GDResin 850C	CYCLOPENTASILOXANE, TRIMETHYLSILOXYSILICATE	8.00	GREENZN	Film-former
9		GDResin EB-200	BIS-HYDROXYETHOXYPROPYL DIMETHICONE/IPDI COPOLYMER ETHYLCARBAMATE, DIMETHICONE, TRIMETHYLSILOXYSILICATE	1.50	GREENZN	Film-former
10		GDPearl PQ 05	POLYMETHYLSILSESQUIOXANE	0.60	GREENZN	Filler

Disclaimer:

1 / 4

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No.	Phase	Trade name	INCI	%	Supplier	Note
11	B	GDSOft 721	DIMETHICONE, DIMETHICONE/VINYL DIMETHICONE CROSSPOLYMER	4.40	GREENZN	Emollient
12		BENTONE GEL® VS-5 PC V HV	CYCLOPENTASILOXANE, DISTEARDIMONIUM HECTORITE, PROPYLENE CARBONATE	4.00		Thickener
13		R974	SILICA DIMETHYL Silylate	0.50		Anti-caking Agent
14	C	KF-6106	POLYGLYCERYL-3 POLYDIMETHYLSILOXYETHYL DIMETHICONE	0.25		Pigment Dispersant
15		KF995	CYCLOPENTASILOXANE	2.75		Emollient
16		GDPearl EM 05AS	MICA, TRIETHOXYCAPRYLYLSILANE	0.58	GREENZN	Filler
17		GDPearl TR-586AS-LL-MQ-ITT	CI 77891, ALUMINUM HYDROXIDE, TRIETHOXYCAPRYLYLSILANE, LAUROYL LYSINE, TRIMETHYLSILOXYSILICATE, ISOPROPYL TITANIUM TRIISOSTEARATE	8.00	GREENZN	Colorant
18		GDPearl IY 32AS	CI 77492, TRIETHOXYCAPRYLYLSILANE	1.10		Colorant
19		GDPearl IR 75AS	CI 77491, TRIETHOXYCAPRYLYLSILANE	0.22		Colorant
20		GDPearl IB 33AS	CI 77499, TRIETHOXYCAPRYLYLSILANE	0.10		Colorant

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2 / 4

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No.	Phase	Trade name	INCI	%	Supplier	Note
21	D	Water	WATER	36.45		Solvent
22		Butylene Glycol	BUTYLENE GLYCOL	4.00		Humectant
23		Glycerin	GLYCERIN	3.00		Humectant
24		Sodium Chloride	SODIUM CHLORIDE	0.80		Emulsion Stabilizer
25		Disodium EDTA	DISODIUM EDTA	0.05		Chelating Agent
26		Panthenol	PANTHENOL	1.00		Humectant
27		CPS	CHLORPHENESIN	0.10		Preservative
28	E	PH91	PHENOXYETHANOL, ETHYLHEXYLGLYCERIN	0.60		Preservative
29	F	SLA1170	PARFUM	0.20		Parfum

Process:

1. Add Phase A raw materials into a beaker in sequence, heat in a water bath to 68- 70°C and stir until homogeneous.
2. Weigh Phase B components in sequence, add into Phase A and stir until homogeneous.
3. Weigh Phase C raw materials and grind three passes with a three- roll mill, then add into the AB mixture. Stir well first, then homogenize once at medium- high speed. Scrape the residual material on the beaker wall into the beaker and homogenize once more until the oil phase is uniform.
4. Weigh Phase D raw materials, heat in a water bath to 60°C and stir until completely dissolved.
5. Keep the aqueous phase and oil phase at 80°C under heat preservation. Stir the oil phase at medium- high speed, slowly add the aqueous phase drop- wise into the oil phase.

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3 / 4

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After completing the addition of aqueous phase, homogenize for 3 minutes and stir well.

6. Cool down to 40°C, add Phase E and Phase F, then homogenize and stir until homogeneous.

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4 / 4

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