

Phase-Inversion Foundation

Formula composition:

DW26050801

No.	Phase	Trade name	INCI	%	Supplier	Note
1	A	Z-Emuslix PI-100F	CETEARYL ALCOHOL, C20-22 ALKYL PHOSPHATE, PEG-100 STEARATE, GLYCERYL STEARATE, ISONONYL ISONONANOATE, SILICA	4.00	GREENZN	Emulsifier
2		RH-CM5	CYCLOPENTASILOXANE	9.00		Emollient
3		QH02	TRIMETHYLSILOXYSILICATE	4.00		Film-former
4		MT10	POLYMETHYLSILSESQUIOXANE	2.00		Film-former
5		L-14E	HYDROGENATED POLYISOBUTENE	2.50		Emollient
6	B	Tio2 CR50/AS	CI 77891, ALUMINUM HYDROXIDE, TRIETHOXYCAPRYLYLSILANE	9.00		Colorant
7		222	DIISOSTEARYL MALATE	1.50		Emollient
8		PS-12	ISODODECANE, DISTEARDIMONIUM HECTORITE, PROPYLENE CARBONATE	1.00		Suspending Agent
9		RH-CM5	CYCLOPENTASILOXANE	3.00		Emollient
10		LL-100P/AS	CI 77492, TRIETHOXYCAPRYLYLSILANE	0.70		Colorant
11		R516P/AS	CI 77491, TRIETHOXYCAPRYLYLSILANE	0.22		Colorant

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No.	Phase	Trade name	INCI	%	Supplier	Note
12	B	BL-100P/AS	CI 77499, TRIETHOXYCAPRYLYLSILANE	0.08		Colorant
13	C	WATER	WATER	44.55		Solvent
14		1,3-BUTANEDIOL	1,3-BUTANEDIOL	15.00		Moisturizing
15	D	Carbopol® Aqua SF-1 Polymer	ACRYLATES COPOLYMER, WATER	1.50		Thickener
16	E	PC 2000	AMINOMETHYL PROPANOL	0.35		pH Adjuster
17	F	HYDROXYACETOPHENONE	HYDROXYACETOPHENONE	0.50		Antioxidant
18		AroHydro-H	1,2-HEXANEDIOL	0.50		Antioxidant
19	G	SIMULGEL™ 600	ACRYLAMIDE/SODIUM ACRYLOYLDIMETHYLTAURATE COPOLYMER, ISOHEXADECANE, POLYSORBATE 80, WATER, SORBITAN OLEATE	0.50		Thickener
20		SLA1170	PARFUM	0.10		Parfum

Process:

1. Heat Phase A to 80°C, agitate until fully dissolved and dispersed uniformly.
2. Pre-soak Phase B, then grind into a homogeneous color paste via a three-roll mill. Add Phase B into Phase A, agitate and homogenize until Phases A & B are fully blended, hold the temperature at 80°C.
3. Heat Phase C up to 50°C with agitation. Pour Phase D into Phase C under continuous stirring, then add Phase E and agitate to form a transparent CDE gel, afterwards heat this

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CDE mixture to 80°C.

4. Add the blended AB mixture into the CDE mixture under stirring, mix evenly. Perform low-speed homogenization first, followed by high-speed homogenization until emulsification is complete.
5. Cool down under agitation to 50–60°C, add Phase F and homogenize for 3 minutes. Then add Phase G and homogenize for another 3 minutes, stir to full uniformity.
6. Cool the batch to 35°C, add fragrance and stir evenly, carry out low-speed homogenization for 3 minutes. Discharge after passing quality inspection.

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