



GreenZn

Formulation Collection

精华液 | 膏霜 | 防晒 | 底妆 | 彩妆 | 护发 | 卸妆

Serum | Cream & Balm | Sunscreen | Base Makeup |
Color Cosmetics | Hair Care | Cleansing

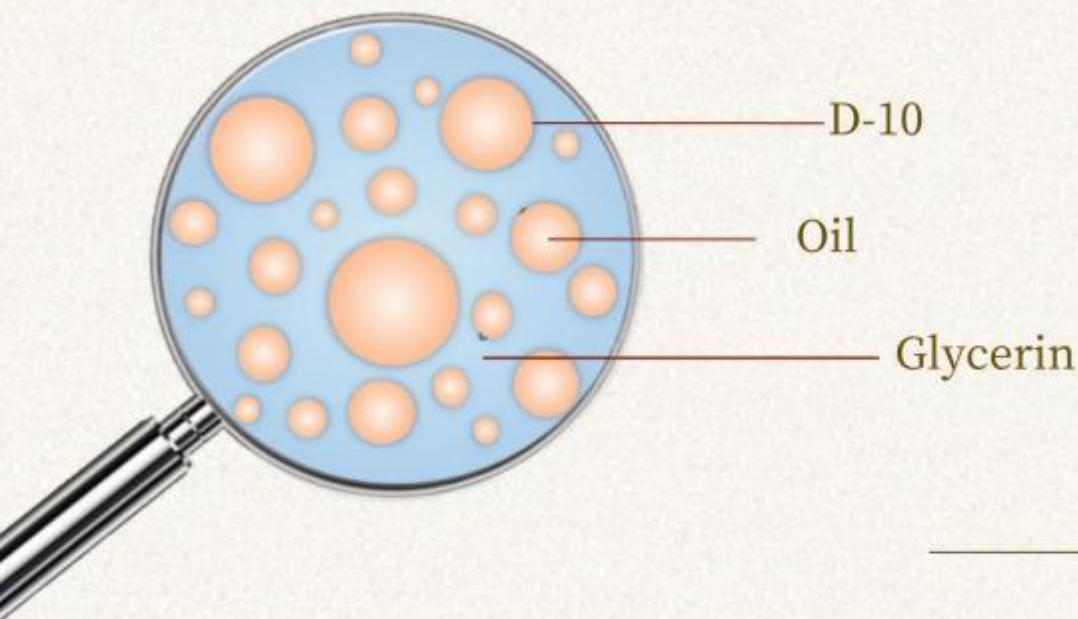
All formulations
for laboratory reference only

GreenZn Co., Ltd.

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Z-Emuslix D-10

INCI: COCAMIDOPROPYL BETAINE, AQUA, CITRIC ACID, POLYGLYCERYL-10 LAURATE

EO-free D-phase emulsifier with low dosage, low energy consumption, and broad oil compatibility*

Application Directions:

- Create unique polyol-in-oil formulations.
- Overcome formulation challenges of high oil content.



**Customizable efficacy & skin feel
with "instant emulsification upon contact with water"**

1. Take an appropriate amount of the oil gel.
2. Add your favorite active serum/essence.
3. Mix and emulsify, then apply to the face.



 **GreenZn**

<https://greenzn.net/>

Crystal Essence Oil Cream

Formula composition:

XY260707 -1

No.	Phase	Trade name	INCI	%	Supplier	Note
1	A	Z-Emuslix D-10	COCAMIDOPROPYL BETAINE, WATER, CITRIC ACID, POLYGLYCERYL-10 LAURATE	3.50	GREENZN	Emulsifier
2		Glycerin				
3	B	EMOGREEN L15	C15-19 ALKANE	31.50		Emollient
4		GTCC				
5	C	Water	WATER	5.00		Solvent

Process:

- 1.Thoroughly mix glycerin (polyol) and Z-Emuslix D-10 to form Phase D.
2. Mix all oils, then add slowly in drops into Phase A. Observe the material status and adjust stirring speed until an O/D gel is formed.
3. Add water to the formed O/D gel to adjust the transparency of the oil gel.

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Sakura Skin Brightening Niacinamide Serum

Formula composition:

XY240924-1

No.	Phase	Trade name	INCI	%	Supplier	Note
1	A	Water	WATER	93.30		Solvent
2		Butylene Glycol	BUTYLENE GLYCOL	2.00		Humectant
3		Glycerin	GLYCERIN	1.00		Humectant
4		HP105	HYDROXYPROPYL GUAR	0.10		Thickener
5		AroHydro-PHP	HYDROXYACETOPHENONE	0.40		Antioxidant
6		U20	ACRYLATES/C10-30 ALKYL ACRYLATE CROSSPOLYMER	0.05		Thickener
7	B	PC2000	AMINOMETHYL PROPANOL	0.05		pH Adujster
8		AroHydro-H	1,2-HEXANEDIOL	0.60		Humectant
9		GD-NIAC	NIACINAMIDE	1.00		Whitening
10		Cal-Source Factor	CALCIUM PANTETHEINE SULFONATE	1.00		Skin-conditioning agent
11	C	Cherry Blossom Extract	PRUNUS LANNESIANA FLOWER EXTRACT, BUTYLENE GLYCOL, WATER	0.50		Skin-conditioning agent
12		86300519	PARFUM	0.05		Parfum
13		CO40	PEG-40 HYDROGENATED CASTOR OIL	0.10		Emulsifier

Disclaimer:

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Process:

1. Mix and heat Phase A under stirring until fully dissolved. Cool down to 65°C, add Phase B and stir until homogeneous. Return to room temperature, add the remaining raw materials of Phase C and Phase D, and stir well to complete.

Disclaimer:

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Natural Botanical Soothing Serum

Formula composition:

XY240926-2

No.	Phase	Trade name	INCI	%	Supplier	Note
1	A	Water	WATER	95.35		Solvent
2		Butylene Glycol	BUTYLENE GLYCOL	2.00		Humectant
3		Glycerin	GLYCERIN	1.00		Humectant
4		HP105	HYDROXYPROPYL GUAR	0.10		Thickener
5		AroHydro-PHP	HYDROXYACETOPHENONE	0.40		Antioxidant
6		U20	ACRYLATES/C10-30 ALKYL ACRYLATE CROSSPOLYMER	0.10		Thickener
7	B	PC2000	AMINOMETHYL PROPANOL	0.05		pH Adujster
8	C	AroHydro-H	1,2-HEXANEDIOL	0.60		Humectant
9		NanoCalmin	HYDROXYPHENYL PROPAMIDOBENZOIC ACID	0.30		Soothing agent
10		GDActive CICA 20	CENTELLA ASIATICA EXTRACT	0.10	GREENZN	Humectant

Process:

1. Mix and heat Phase A under stirring until fully dissolved. Cool down to 65°C, add Phase B and stir until homogeneous. Return to room temperature, add the remaining raw materials of Phase C and stir well to complete.

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Time-Reverse Skin Genesis Serum

Formula composition:

XY240927 -1

No.	Phase	Trade name	INCI	%	Supplier	Note
1	A	Water	WATER	94.75		Solvent
2		Butylene Glycol	BUTYLENE GLYCOL	2.00		Humectant
3		Glycerin	GLYCERIN	1.00		Humectant
4		HP105	HYDROXYPROPYL GUAR	0.10		Thickener
5		AroHydro-PHP	HYDROXYACETOPHENONE	0.40		Antioxidant
6		U20	ACRYLATES/C10-30 ALKYL ACRYLATE CROSSPOLYMER	0.10		Thickener
7	B	PC2000	AMINOMETHYL PROPANOL	0.05		pH Adujster
8	C	AroHydro-H	1,2-HEXANEDIOL	0.60		Humectant
9		NanoLift	WATER, GLYCERIN, ACETYL DIPEPTIDE-1 CETYL ESTER, PHOSPHOLIPIDS, COLEUS FORSKOHLII ROOT EXTRACT	1.00		Soothing agent
10	D	86308842	PARFUM	0.05		Parfum
11		CO40	PEG-40 HYDROGENATED CASTOR OIL	0.10		Emulsifier

Disclaimer:

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Process:

1. Mix and heat Phase A under stirring until fully dissolved. Cool down to 65°C, add Phase B and stir until homogeneous. Return to room temperature, add the remaining raw materials of Phase C and Phase D, and stir well to complete.

Disclaimer:

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Pre-wash Hair Oil Gel

Formula composition:

XY260924-1

No.	Phase	Trade name	INCI	%	Supplier	Note
1	A	Z-Emuslix D-10	COCAMIDOPROPYL BETAINE, WATER, CITRIC ACID, POLYGLYCERYL-10 LAURATE	3.50	GREENZN	Emulsifier
2		Glycerin				
3	B	DM5	DIMETHICONE	40.00		Emollient
4		GTCC				
5	C	Water	WATER	0.50		Solvent

Process:

1. Thoroughly mix glycerin (polyol) and Z-Emuslix D-10 to form Phase D.
2. Mix all oils, then add slowly in drops into Phase A. Observe the material status and adjust stirring speed until an O/D gel is formed.
3. Add water to the formed O/D gel to adjust the transparency of the oil gel.

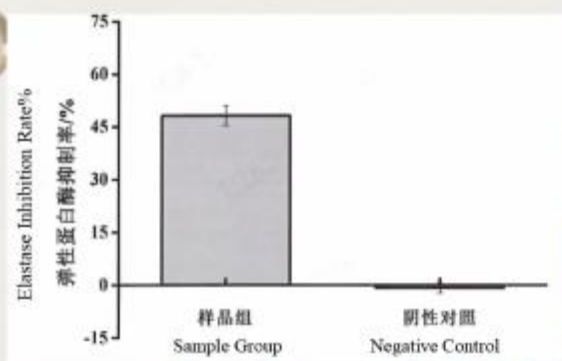
Disclaimer:

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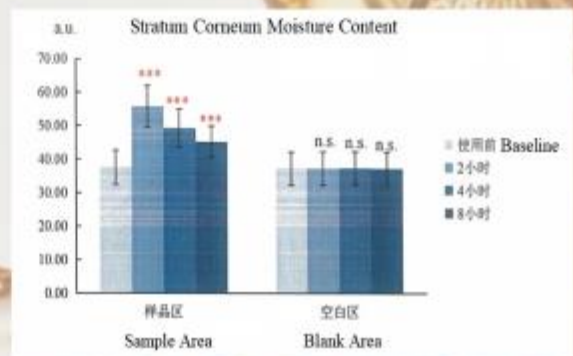
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Gold of the Desert Cyperus esculentus root oil

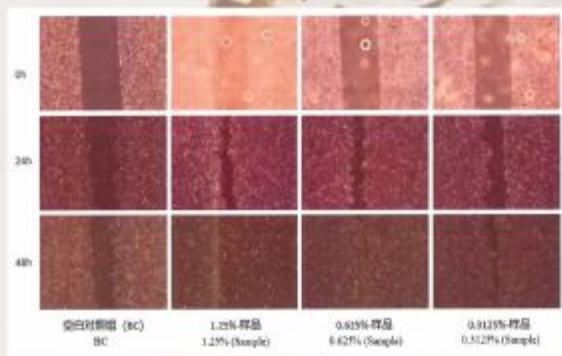
Desert Survival Mechanisms



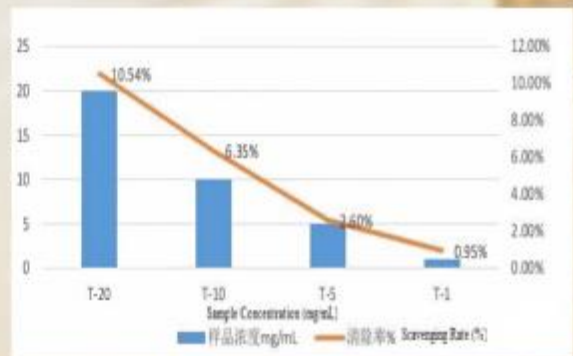
·Anti-aging



·Hydrating



·Repair



·Antioxidant

Desert Absolu Hair Oil

Formula composition:

XY260526-2

No.	Phase	Trade name	INCI	%	Supplier	Note
1	A	DC1403	DIMETHICONOL, DIMETHICONE	10.00		Emollient
2		DM5	DIMETHICONE	40.00		Emollient
3		CRODAMOL GTCC-LQ-(SG)-	CAPRYLIC/CAPRIC TRIGLYCERIDE	20.00		Emollient
4		GDSOft 556	PHENYL TRIMETHICONE	3.00	GREENZN	Emollient
5		ISODODECANE	ISODODECANE	21.25		Emollient
6		ZeniOil CER101	CYPERUS ESCULENTUS ROOT OIL	8.00	GREENZN	Emollient
7		Copherol® 1250 C	TOCOPHERYL ACETATE	0.10		Humectant
8		PARFUM	PARFUM	0.65		Parfum

Process:

1. Add Phase A components sequentially and stir until homogeneous.

Disclaimer:

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Water-oil Dual Extract Dual-layer Essence

Formula composition:

XY260327-1

No.	Phase	Trade name	INCI	%	Supplier	Note
1	A	Vitasterol S-80 EST	PHYTOSTERYL OLEATE, TOCOPHEROL, ASCORBYL PALMITATE, PHYTOSTEROLS	0.04		Skin Conditioning
2		ZeniOil CER101	CYPERUS ESCULENTUS ROOT OIL	10.46	GREENZN	Emollient
3		Squalane	SQUALANE	0.20		Emollient
4		ZeniOil SSO	SI LYBUM MARIANUM SEED OIL, SI LYBIN	0.20	GREENZN	Antioxidant
5		ZeniOil PVS 103	PLUKENETIA VOLUBILIS SEED OIL	0.20		Humectant
6		2EHP	ETHYLHEXYL ISOPALMITATE	3.00		Emollient
7		Isopar L	ISODODECANE	1.60		Emollient
8		Jojo ba seed oil	SIMMONDSIA CHINENSIS (JOJOBA) SEED OIL	0.10		Humectant
9		GTCC	CAPRYLIC/CAPRIC TRIGLYCERIDE	4.00		Emollient
10		86322938	PARFUM	0.20		Parfum
11	B	Water Replent	CENTELLA ASIATICA LEAF EXTRACT, 1,2-HEXANEDIOL, HYDROXYACETOPHENONE	70.88		Antioxidant
12		EG-1	GLYCERETH-26	2.40		Emollient
13		Butylene Glycol	BUTYLENE GLYCOL	4.00		Humectant

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No.	Phase	Trade name	INCI	%	Supplier	Note
14		AroHydro-PHP	HYDROXYACETOPHENONE	0.24		Antioxidant
15	C	NACL	SODIUM CHLORIDE	0.40		Emulsion Stabilizer
16		Niacinamide	NIACINAMIDE	0.80		Antioxidant
17		WILBRIDE S-753D	PEG/PPG/POLYBUTYLENE GLYCOL-8/5/3 GLYCERIN	0.80		Emollient
18		AroHydro-H	1,2-HEXANEDIOL	0.48		Humectant

Process:

1. Heat S-80 of Phase A to 65°C to dissolve, then add the remaining Phase A raw materials and stir until transparent. Set aside for later use.
2. Take another beaker, heat Phase B and stir to dissolve until homogeneous. Cool down to 45°C under stirring.
3. Add Phase C and stir until homogeneous.

Disclaimer:

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Makeup Remover Oil

Formula composition:

XY250821-1

No.	Phase	Trade name	INCI	%	Supplier	Note
1	A	2EHP	ETHYLHEXYL PALMITATE	25.00		Emollient
2		IPM	ISOPROPYL MYRISTATE	20.00		Emollient
3		CRODAMOL GTCC-LQ-(SG)-	CAPRYLIC/CAPRIC TRIGLYCERIDE	15.00		Emollient
4		Isododecane	ISODODECANE	5.00		Emollient
5		FE-506	POLYGLYCERYL-10 DIOLEATE	3.00		Emulsifier
6		FE-517	POLYGLYCERYL-6 DICAPRATE	1.50		Emulsifier
7		FE-507	POLYGLYCERYL-2 OLEATE	1.00		Emulsifier
8		Laureth-4	LAURETH-4	0.80		Surfactant
9	B	ZeniOil CER101	CYPERUS ESCULENTUS ROOT OIL	27.50	GREENZN	Emollient
10		Sunflower Seed Oil	HELIANTHUS ANNUUS (SUNFLOWER) SEED OIL	1.00		Emollient
11		FTC-0143	PARFUM	0.20		Parfum

Process:

1. Add each raw material of Phase A in sequence, mix and stir until transparent. Then add all components of Phase B and stir until homogeneous to complete the preparation.

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Conopeptide-L

New-generation Conformational Folding Peptide

Visible Wrinkle Smoothing in 3 Minutes



3 minutes
fast wrinkle
smoothing



Triple-folding
structure for
high efficacy



24h long-lasting
anti-wrinkle
effect



Safe & mild,
skin-friendly



INCI:

Arginine/Lysine Polypeptide, Water,
1,2-Pentanediol, 1,2-Hexanediol,
Ethylhexyl glycerol

7% Conopeptide-L solution



before



after 3min

0.5% Conopeptide Anti-wrinkle Flash Eye Patch



before



after 20min

3min instant
+24h long-lasting

*Triple-folding
circular structure*

Conopeptide Anti-wrinkle Flash Eye Patch

Formula composition:

XY260601-1

No.	Phase	Trade name	INCI	%	Supplier	Note
1	A	Water	WATER	94.31		Solvent
2		BUTYLENE GLYCOL	BUTYLENE GLYCOL	2.00		Moisturizing
3		PG USP	PROPYLENE GLYCOL	2.00		Moisturizing
4		Carbopol® 940	CARBOMER	0.12		Thickener
5	B	AroHydro-PHP	HYDROXYACETOPHENONE	0.30		Antioxidant
6		ARGININE	ARGININE	0.12		pH Adjuster
7	C	AroHydro-H	1,2-HEXANEDIOL	0.60		Moisturizing
8		GDActive Conopeptide-L	WATER, ARGININE/LYSINE POLYPEPTIDE, PENTYLENE GLYCOL, 1,2-HEXANEDIOL, ETHYLHEXYLGLYCERIN	0.50	GREENZN	Anti-aging, Firming
9		274545	Parfum	0.005		Parfum
10		CO40	HYDROGENATED CASTOR OIL	0.05		Solubilizer

Process:

- Heat Phase A to 80°C, stir until fully dissolved and uniform; homogenize until lump-free and homogeneous.
- Cool Phase A down to room temperature, add Phase B under stirring.
- Keep stirring, add Phase C, and stir until uniform.

Disclaimer:

1 / 1

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7% GDActive Conopeptide Solution

Formula composition:

XY260603-2

No.	Phase	Trade name	INCI	%	Supplier	Note
1	A	Water	WATER	87.86		Solvent
2		Butylene Glycol	BUTYLENE GLYCOL	2.00		Moisturizing
3		PG USP	PROPYLENE GLYCOL	2.00		Moisturizing
4		Carbopol® 940	CARBOMER	0.12		Thickener
5		AroHydro-PHP	HYDROXYACETOPHENONE	0.30		Antioxidant
6	B	Arginine	ARGININE	0.12		pH Adjuster
7	C	AroHydro-H	1,2-HEXANEDIOL	0.60		Moisturizing
8		GDActive Conopeptide-L	WATER, ARGININE/LYSINE POLYPEPTIDE, PENTYLENE GLYCOL, 1,2-HEXANEDIOL, ETHYLHEXYLGLYCERIN	7.00	GREENZN	Anti-aging, Anti-wrinkle
9		274545	PARFUM	0.005		Parfum
10		CO40	HYDROGENATED CASTOR OIL	0.05		Solubilizer

Process:

1. Heat Phase A to 80℃ and stir until fully dissolved. Homogenize until lump-free.
2. Cool Phase A to room temperature, then add Phase B under stirring.
3. Keep stirring, add Phase C, and mix well.

Disclaimer:

1 / 1

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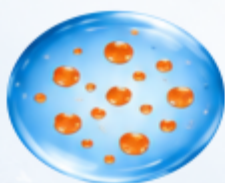
Smart Phase-Inversion Emulsifier

Z-Emuslix PI-100F

Water-Resistant Texture Design

Phase inversion occurs during skin application.

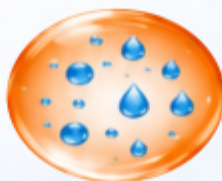
Mechanism



O/W



Spread

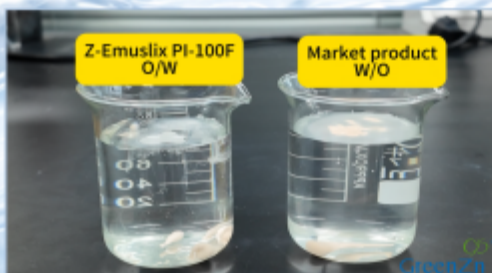


W/O



Phase inversion occurs during skin application.

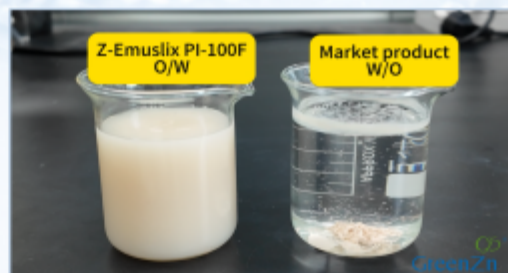
Beaker Stirring Comparison Test



Before



Stirring



After

Waterproof Comparison Test



Before



Water Rinsing



After



Water-Resistant
Texture Design



Stable Phase
Inversion



Long-Lasting
Performance

Application: Sunscreen Lotion/Cream, Foundation, Tone-up Cream, Moisturizing Cream

Moisturizing Face Cream

Formula composition:

XY251209-1

No.	Phase	Trade name	INCI	Content	Supplier	Note
1	A	Z-Emuslix PI-100F	CETEARYL ALCOHOL, C20-22 ALKYL PHOSPHATE, PEG-100 STEARATE, GLYCERYL STEARATE, SILICA, ISONONYL ISONONANOATE	2.50	GREENZN	Emulsifier
2		Liponate BDP	BIS-DIGLYCERYL POLYACYLADIPATE-2	2.00		Emollient
3		Lipovol GTB	TRIBEHENIN	2.00		Thickener
4		GDActive Squalane	SQUALANE	1.00		Emollient
5		Golden Jojoba Oil	SIMMONDSIA CHINENSIS (JOJOBA) SEED OIL	1.00		Emollient
6		Limnanthes Alba (Meadowfoam) Seed Oil	LIMNANTHES ALBA (MEADOWFOAM) SEED OIL	0.50		Emollient
7		C24RC	ETHYLHEXYL PALMITATE	5.00		Emollient
8		DM5	DIMETHICONE	5.00		Emollient
9		Medical Vaseline	PETROLATUM	1.50		Emollient

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Reference formulation

E-mail: ashley.zhu@greenzn.net

No.	Phase	Trade name	INCI	Content	Supplier	Note
10	A	Seabird Feather Oil	CETYL ETHYLHEXANOATE	7.00		Emollient
11		GTCC	CAPRYLIC/CAPRIC TRIGLYCERIDE	5.00		Emollient
12	B	Water	WATER	48.00		Solvent
13		Arocos-RK	RASPBERRY KETONE	0.50		Humectant
14		AroHydro-H	1,2-HEXANEDIOL	0.50		Humectant
15		Butylene Glycol	BUTYLENE GLYCOL	6.00		Humectant
16		EG-1	GLYCERETH-26	5.00		Emollient
17		Glycerin	GLYCERIN	3.00		Emollient
18		SF-1	ACRYLATES COPOLYMER, WATER	2.00		Thickener
19		PC 2000	AMINOMETHYL PROPANOL	0.30		pH Adjuster

Disclaimer:

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Reference formulation

E-mail: ashley.zhu@greenzn.net

No.	Phase	Trade name	INCI	Content	Supplier	Note
20	C	Zenipoly SSP	SODIUM ACRYLATE/SODIUM ACRYLOYLDIMETHYL TAURATE COPOLYMER, ISOHEXADECANE, POLYSORBATE 80, WATER, SORBITAN OLEATE	2.10		Thickener
21	D	86308842	PARFUM	0.10		Parfum

Process:

1. Heat Phase A and Phase B separately to 80°C under stirring until fully dissolved.
2. Add Phase A into Phase B, stir well, then homogenize to form a uniform emulsion.
3. Cool down to 65°C, add Phase C and homogenize into a uniform cream.
4. Stir and cool to 45°C, add Phase D and mix thoroughly.

Disclaimer:

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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, TRIETHOXYCAPRYLSILANE	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	HYDROXYACETOPHEN ONE	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

Disclaimer:

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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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Phase-inversion Sunscreen Lotion (In Vitro SPF50)

Formula composition:

XYDW25110701

No.	Phase	Trade name	INCI		Supplier
1	A	Z-Emuslix PI-100F	CETEARYL ALCOHOL, C20-22 ALKYL PHOSPHATE, PEG-100 STEARATE, GLYCERYL STEARATE, SILICA, ISONONYL ISONONANOATE	4.00	GREENZN
2		Lanol 99	ISONONYL ISONONANOATE	3.50	
3		CAPRYLYL TSO	CAPRYLYL METHICONE	3.00	
4		MCX	ETHYLHEXYL METHOXYCINNAMATE	8.00	
5		HYSHELL A+	DIETHYLAMINO HYDROXYBENZOYL HEXYL BENZOATE	2.00	
6		Sunobel® OS	ETHYLHEXYL SALICYLATE	3.00	
7	B	Micro TiO2 060 AS	TITANIUM DIOXIDE, ALUMINIUM HYDROXIDE, TRIETHOXYCAPRYLSILANE	3.00	
8		Lanol 99	ISONONYL ISONONANOATE	1.50	
9	C	Water	WATER	55.60	

Disclaimer:

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Reference formulation

E-mail: cherry.chen@greenzn.net, ashley.zhu@greenzn.net

10	AroHydro-PHP	HYDROXYACETOPHENONE	0.50	
11	AroHydro-H	1,2-HEXANEDIOL	0.50	
12	1,3-Butylene glycol	BUTYLENE GLYCOL	8.00	
13	Glycerin	GLYCERIN	2.00	
14	Carbopol® Aqua SF-1 Polymer	SODIUM ACRYLATES COPOLYMER, WATER	1.50	
15	D PC 2000	AMINOMETHYL PROPANOL	0.40	
16	E HYSHELL SORB-M	METHYLENE BIS-BENZOTRIAZOLYL TETRAMETHYLBUTYLPHENOL, WATER, DECYL GLUCOSIDE, PROPYLENE GLYCOL, XANTHAN GUM	2.00	
17	F Viscocare EG50F	SODIUM ACRYLATE/SODIUM ACRYLOYLDIMETHYL TAURATE COPOLYMER, ISOHEXADECANE, POLYSORBATE 80, WATER, SORBITAN OLEATE	0.50	
18	G 86424048	PARFUM	0.10	

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Process:

1. Homogenize Phase A under stirring until well dispersed. Add Phase B (pre-milled color slurry), and continue homogenizing under stirring to achieve uniform dispersion. Heat the combined Phase A+B to 80°C.
2. Mix Phase C thoroughly, then add Phase D and stir evenly. Heat to 80°C. Pour the A+B mixture into the C+D mixture under stirring, and homogenize for 3 minutes.
3. Cool down under stirring to 65°C. Add Phase E and homogenize for 3 minutes, then add Phase F and homogenize for another 3 minutes.
4. Cool to 45°C, add Phase G, stir until homogeneous. The batch is complete.

Disclaimer:

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Kids Macromolecule Sun Lotion SPF50+

Formula composition:

XYDW26062901

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		TEGOSOFT G20	OCTYLDODECANOL	5.00		Emollient
3		GTB	TRIBEHENIN	0.50		Emollient
4		LANOL 37T	TRIHEPTANOIN	5.00		Emollient
5		DBA	DIBUTYL ADIPATE	5.00		Emollient
6		TEGOSOFT TN	C12-15 ALKYL BENZOATE	5.00		Emollient
7		HYSHELL T150	ETHYLHEXYL TRIAZONE	2.00		Sunscreen Agent
8		HYSHELL HEB	DIETHYLHEXYL BUTAMIDO TRIAZONE	4.00		Sunscreen Agent
9		HYSHELL SORB-S	BIS-ETHYLHEXYLOXYPHENOL METHOXYPHENYL TRIAZINE	3.00		Sunscreen Agent
10		GDResin AquaFuse PG	ACRYLATES/OCTYLACRYLAMIDE COPOLYMER, POLYURETHANE-1, OCTYLDODECANOL, PENTYLENE GLYCOL	3.00	GREENZN	Film Former

Disclaimer:

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No.	Phase	Trade name	INCI	%	Supplier	Note
11	B	Water	WATER	45.20		Solvent
12		1,3-Butylene glycol	BUTYLENE GLYCOL	7.00		Moisturizing
13		Glycerin	GLYCERIN	2.00		Moisturizing
14		Arocos-RK	RASPBERRY KETONE	0.500		Humectant
15		AroHydro-H	1,2-HEXANEDIOL	0.50		Humectant
16		PC 2000	AMINOMETHYL PROPANOL	0.30		pH Adjuster
17		Carbopol® Aqua SF-1 Polymer	ACRYLATES COPOLYMER, WATER	2.00		Thickener
18	C	HYSELL SORB-M	METHYLENE BIS-BENZOTRIAZOLYL TETRAMETHYLBUTYLPHENOL, WATER, DECYL GLUCOSIDE, PROPYLENE GLYCOL, XANTHAN GUM	5.00		Sunscreen Agent
19	D	Zenipoly ASP	ACRYLAMIDE/SODIUM ACRYLOYLDIMETHYLTAURATE COPOLYMER, C13-14 ISOPARAFFIN, LAURETH-7, WATER	1.00		Thickener

Process:

1. Add the liquid raw materials of Phase A together and stir until homogeneous. Heat up to 80℃, then add the remaining raw materials and stir to fully dissolve and homogenize.

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2. Stir Phase A until homogeneous, then heat to 80°C. Pour mixed Phase B into Phase B under stirring, and homogenize for 3 minutes.
3. Cool down under stirring to 30-40°C, add Phase C and homogenize until well-dispersed. Subsequently add Phase D, stir and homogenize to achieve uniform dispersion.

Disclaimer:

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AquaFuse™

Sweat-Activated Film Technology

Stronger Film When Meets Sweat

INCI: Acrylates/Octylacrylamide Copolymer,
Polyurethane-1, Octyldodecanol,
Pentylene Glycol



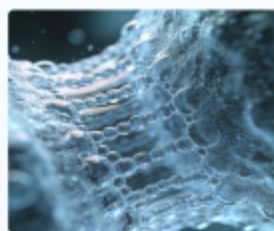
Polyurethane-modified
acrylate copolymer



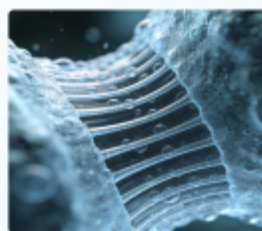
High molecular polarity



Excellent skin-fitting property



Pre-Sweat



Post-Sweat

Sweat triggers reinforced,
even film structure

Sweat-proof & flawless makeup all day



Application: Sunscreens, Foundations,
Lip Products

■ Product Overview

GDResin EB-200

INCI	CAS-No.	Content%
BIS-HYDROXYETHOXYPROPYL DIMETHICONE/IPDI COPOLYMER ETHYLCARBAMATE	628723-36-4	50-75
DIMETHICONE	9006-65-9	20-35
TRIMETHYLSILOXY-SILICATE	68988-56-7	5-15

- Appearance: Colorless transparent to light yellow liquid
- Odor: Characteristic odor
- Viscosity: 4,000-200,000 cps (@25°C)



Recommended Dosage:

- ◆ Transfer-proof lip glosses & lipsticks: 15-25%
- ◆ Foundation products: 1-5%
- ◆ Mascaras: 1-3%

Transfer-proof Lip Gloss

Formula composition:

GDS260927CY-1

No.	Phase	Trade name	INCI	%	Supplier	Note
1	A	GDThick BI-THIN 602	HYDROGENATED STYRENE/ISOPRENE COPOLYMER	2.50		Thickener
2		Isododecane	ISODODECANE	18.00		Emollient
3	B	EM90	CETYL PEG/PPG-10/1 DIMETHICONE	1.00		Emulsifier
4	C	BENTONE® 38 V CG	DISTEARDIMONIUM HECTORITE	4.86		Thickener
5		PC	PROPYLENE CARBONATE	1.62		Solvent
6		Isododecane	ISODODECANE	23.52		Emollient
7	D	AEROSIL R 972	SILICA DIMETHYL SILYLATE	1.00		Anti-caking Agent
8		GD Pearl PQ 03	POLYMETHYLSILSESQUIOXANE	1.50	GREENZN	Filler
9		GD Pearl SI 008	DIMETHICONE/VINYL DIMETHICONE CROSSPOLYMER, SILICA	1.50	GREENZN	Filler

Disclaimer:

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No.	Phase	Trade name	INCI	%	Supplier	Note
10	D	GD Pearl SM 25	SYNTHETIC FLUORPHLOGOPITE	10.00	GREENZN	Filler
11		GDResin EB-200	BIS-HYDROXYETHOXYPROPYL DIMETHICONE/IPDI COPOLYMER ETHYLCARBAMATE, DIMETHICONE, T RIMETHYLSILOXYSILICATE	15.00	GREENZN	Film-former
12		Isododecane	ISODODECANE	14.48		Emollient
13		GD Pearl IR 75	CI 77491	2.90		Colorant
14		GD Pearl IB 33	CI 77499	0.81		Colorant
15		Red 7	CI 15850	0.30		Colorant
16		GD Pearl TI-903	CI 77891, ALUMINUM HYDROXIDE	0.20	GREENZN	Colorant
17	E	GD Pearl IY 32	CI 77492	0.11		Colorant
18		VITAMIN E ACETATE	TOCOPHERYL ACETATE	0.20		Antioxidant
19		MICROCARE PE	PHENOXYETHANOL	0.30		Preservative
20		SLA1165	PARFUM	0.20		Parfum

Disclaimer:

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Process:

1. Heat Phase A in a water- bath pot at 90 °C and dissolve until a transparent colloid is obtained.
2. Weigh Phase B raw materials, add into the dissolved Phase A, and stir until homogeneous.
3. Weigh Phase C raw materials, activate them, and stir until homogeneous.
4. Weigh Phase D raw materials, add to the A+B+C mixture, stir well, then grind three passes with a three- roll mill.
5. Weigh Phase E raw materials, add into the milled material and stir until homogeneous to finish preparation.

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Water Tone Foundation

Formula composition:

XYDW26062601

No.	Phase	Trade name	INCI	%	Supplier	Note
1	A	Z-Emuslix PI-100F	C20-22 ALKYL PHOSPHATE, CETEARYL ALCOHOL, PEG-100 STEARATE, GLYCERYL STEARATE, SILICA, ISONONYL ISONONANOATE	4.00	GREENZN	Emulsifier
2		GTB	TRIBEHENIN	1.00		Emollient
3		TEGOSOFT G20	OCTYLDODECANOL	3.00		Emollient
4		KF-56A	PHENYL DIMETHICONE	5.00		Film former
5		DISM	DIISOSTEARYL MALATE	5.00		Dispersing
6	B	GDResin AquaFuse PG	ACRYLATES/OCTYLACRYLAMIDE COPOLYMER, POLYURETHANE-1, OCTYLDODECANOL, PENTYLENE GLYCOL	3.00	GREENZN	Film former
7		LANOL 37T	TRIHEPTANOIN	3.50		Emollient
8		Ti-02SG	CI77891, SODIUM STEAROYL GLUTAMATE, ALUMINUM HYDROXIDE	8.00		Colouring agent
9		YP-75SG	CI77492, SODIUM STEAROYL GLUTAMATE, ALUMINUM HYDROXIDE	0.36		Colouring agent

Disclaimer:

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No.	Phase	Trade name	INCI	%	Supplier	Note
10	B	RP-29SG	CI77491, SODIUM STEAROYL GLUTAMATE, ALUMINUM HYDROXIDE	0.10		Colouring agent
11		BP-50SG	CI77499, SODIUM STEAROYL GLUTAMATE, ALUMINUM HYDROXIDE	0.02		Colouring agent
12		Water	WATER	57.22		Solvent
13	C	1,3-Butylene glycol	1,3-BUTANEDIOL	5.00		Moisturising
14		Glycerin	GLYCERIN	2.00		Moisturising
15		Arocos-RK	RASPBERRY KETONE	0.50		Preservative
16		AroHydro-H	1,2-HEXANEDIOL	0.50		Preservative/Moisturising
17		Pemulen TR-1 Polymeric Emulsifier	ACRYLATES/C10-30 ALKYL ACRYLATE CROSSPOLYMER	0.35		Thickner
18		AMP-ULTRA PC 2000	AMINOMETHYL PROPANOL	0.40		pH adjuster
19	D	SIMULGEL™ 600	ACRYLAMIDE/SODIUM ACRYLOYLDIMETHYLTAURATE COPOLYMER, ISOHEXADECANE, POLYSORBATE 80, WATER, SORBITAN OLEATE	1.00		Thickner
20	E	86317669	PARRFUM	0.05		Parfum

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Process:

1. Phase A is heated to 80°C and then stirred to achieve uniform dispersion.
2. Phase B is first ground into a uniform pigment slurry using a three-roll mill, then added to Phase A+B and kept at 80°C for 80 minutes. Stirring and homogenization are carried out until the AB phases are uniformly mixed.
3. Phase C is heated to 50°C and stirred evenly. Then heated to 80°C.
4. While stirring, the AB mixed phase is added to the C mixed phase. Stirring is continued until the mixture is uniformly mixed. First, low-speed homogenization is performed, and then high-speed homogenization is continued until emulsification is completed.
5. Cool down to 35°C, add Phase D for 3 minutes of homogenization, stir evenly, and after passing the inspection, the product is discharged.

Disclaimer:

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GD Pearl SM 05AS — Talc-Free Alternative Solution

PRODUCT INFORMATION

INCI Name	Synthetic Fluorophlogopite, Triethoxycaprylsilane
Appearance	White to off-white powder
Particle Size	3 – 5 μm
Dispersibility	Oil dispersed
Surface Treatment Process	Jet Milling Process



Jet Milling Process

Physical Dry Ultra-fine Grinding & Surface Shaping Process

HOW IT WORKS

Compressed air is accelerated to supersonic speed, fluidizing the powder bed. Particles pulverize and round through self-collision — no grinding media. A classifier wheel controls particle size.

Key Features of This Powder

- 01 Talc-free alternative** — ideal substitute for talc in pressed powder formulations
- 02 High purity** — no grinding media contact, low heavy metal content
- 03 Silky skin feel** — self-collision rounds sharp edges, leading smooth flake structure
- 04 Narrow size distribution** — consistent 3–5 μm
- 05 Preserved whiteness & gloss** — low-temperature process protects crystal structure

Soft Blur Compact Powder

Formula composition:

GD260929-1

No.	Phase	Trade name	INCI	%	Supplier	Note
1	A	GD Pearl SM 05AS	SYNTHETIC FLUORPHLOGOPITE, TRIETHOXYCAPRYLYLSILANE	68.88	GREENZN	Filler
2		130L	SILICA	5.22		Filler
3		GD Pearl VSL	SILICA, MICROCRYSTALLINE CELLULOSE, LAUROYL LYSINE	4.92		Skin Feel Modifier
4		Magnesium Stearate	MAGNESIUM STEARATE	2.09		Anti-caking Agent
5		GD Pearl CR-50AS	CI 77891, ALUMINUM HYDROXIDE, TRIETHOXYCAPRYLYLSILANE	9.70	GREENZN	Colorant
6		Iron Oxide Yellow	CI 77492	0.73		Colorant
7		Iron Oxide Red	CI 77491	0.25		Colorant
8		Iron Oxide Black	CI 77499	0.11		Colorant
9	B	PROTA ISS	ISONONYL ISONONANOATE	3.08		Emollient

Disclaimer:

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No.	Phase	Trade name	INCI	%	Supplier	Note
10	B	SX-4418I	PENTAERYTHRITYL TETRAISOSTEARATE	3.08		Emollient
11		PMX 200/100	DIMETHICONE	1.62		Emollient
12		UltraCare EHC	CAPRYLYL GLYCOL, ETHYLHEXYLGLYCERIN	0.33		Humectant

Process:

1. Weigh Phase A, add into the pulverizer and pulverize until homogeneous.
2. Slowly add the mixed oil of Phase B into Phase A, and mix at high speed until homogeneous.
3. Fill into aluminum pans, compress under hydraulic pressure of 3 MPa.

Disclaimer:

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Titanium Dioxide Key products

——Special Surface-Treatment Series



Code	Product Name	INCI Name	Particle Size/ nm	Dispersion
611108	GDPearl CR-50ASM	CI 77891 & Aluminum Hydroxide & Triethoxycaprylylsilane & Galactoglucan	250	Oil dispersed
611115	GDPearl CR-50TMS	CI 77891 & Aluminum Hydroxide & Trimethylsiloxysilicate	250	Oil dispersed
NEW! 611201	GDPearl TR-586AS	CI 77891 & Aluminum Hydroxide & Triethoxycaprylylsilane	280-300	Oil dispersed
NEW! 611206	GDPearl TR-586AS-LL-MQ-ITT	CI 77891 & Aluminum Hydroxide & Triethoxycaprylylsilane & Lauroyl Lysine & Trimethylsiloxysilicate & Isopropyl Titanium Trisostearate	280-300	Oil dispersed



Skin-Fusing Soft Glow Cushion

Formula composition:

GDS260916FD-1

No.	Phase	Trade name	INCI	%	Supplier	Note
1	A	KF6048	CETYL PEG/PPG-10/1 DIMETHICONE	1.50		Emulsifier
2		KF6017	PEG-10 DIMETHICONE	2.40		Emulsifier
3		KF995	CYCLOPENTASILOXANE	9.75		Emollient
4		DISM	DIISOSTEARYL MALATE	0.70		Emollient
5		GDSOft 556	PHENYL TRIMETHICONE	1.00	GREENZN	Emollient
6		SF-906(5)	DIMETHICONE	3.50		Emollient
7	B	GDResin 850C	CYCLOPENTASILOXANE, TRIMETHYLSILOXYSILICATE	10.00	GREENZN	Film-former
8		GDResin EB-200	BIS-HYDROXYETHOXYPROPYL DIMETHICONE/IPDI COPOLYMER ETHYLCARBAMATE, DIMETHICONE, TRIMETHYLSILOXYSILICATE	0.50	GREENZN	Film-former
9		GDSOft 721	DIMETHICONE/VINYL DIMETHICONE CROSSPOLYMER, DIMETHICONE	2.00	GREENZN	Emollient
10		GDPearl PQ 05	POLYMETHYLSILSESQUIOXANE	1.00	GREENZN	Filler
11		R974	SILICA DIMETHYL SILYLATE	0.70		Anti-caking Agent

Disclaimer:

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No.	Phase	Trade name	INCI	%	Supplier	Note
12	B	BARENATE BENTONE GEL	ISONONYL ISONONANOATE, BENTONITE, PROPYLENE CARBONATE	4.00		Thickener
13		KF-6106	POLYGLYCERYL-3 POLYDIMETHYLSILOXYETHYL DIMETHICONE	0.25		Pigment Dispersant
14		KF995	CYCLOPENTASILOXANE	3.50		Emollient
15	C	GD Pearl EM 05AS	MICA, TRIETHOXYCAPRYLYLSILANE	0.70	GREENZN	Filler
16		GD Pearl TR-586AS	CI 77891, ALUMINUM HYDROXIDE, TRIETHOXYCAPRYLYLSILANE	8.00	GREENZN	Colorant
17		GD Pearl IY 32AS	CI 77492, TRIETHOXYCAPRYLYLSILANE	1.00		Colorant
18		GD Pearl IR 75AS	CI 77491, TRIETHOXYCAPRYLYLSILANE	0.20		Colorant
19	D	GD Pearl IB 33AS	CI 77499, TRIETHOXYCAPRYLYLSILANE	0.10		Colorant
20		Water	WATER	39.65		Solvent
21		Butylene Glycol	BUTYLENE GLYCOL	5.00		Humectant
22		Glycerin	GLYCERIN	3.00		Humectant
23		Xanthan Gum	XANTHAN GUM	0.05		Thickener
24		CPS	CHLORPHENESIN	0.10		Preservative
25		Sodium Chloride	SODIUM CHLORIDE	0.60		Emulsion Stabilizer

Disclaimer:

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No.	Phase	Trade name	INCI	%	Supplier	Note
26	E	PH91	PHENOXYETHANOL, ETHYLHEXYLGLYCERIN	0.60		Preservative
27	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 to 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 firstly, then homogenize once at medium- high speed. Scrape residual material from the beaker wall into the beaker and perform another homogenization until the oil phase is uniform.
4. Pre- disperse and fully wet xanthan gum with polyols, then add deionized water and homogenize until uniform.
5. Weigh the remaining Phase D raw materials and add them to the aqueous phase, heat in a water bath to 60°C and stir until completely dissolved.
6. Maintain both 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.
Once aqueous- phase addition is finished, homogenize for 3 minutes and stir well.
7. Cool down to 40°C, add Phase E and Phase F, then homogenize and stir until homogeneous.

Disclaimer:

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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		GDSof 556	PHENYL TRIMETHICONE	3.50		Emollient
7		GDSof 56A	PHENYL METHICONE	3.50		Emollient
8	B	GDResin 850C	CYCLOPENTASILOXANE, TRIMETHYLSILOXYSYLICATE	8.00	GREENZN	Film-former
9		GDResin EB-200	BIS-HYDROXYETHOXYPROPYL DIMETHICONE/IPDI COPOLYMER ETHYLCARBAMATE, DIMETHICONE, TRIMETHYLSILOXYSYLICATE	1.50	GREENZN	Film-former
10		GDPearl PQ 05	POLYMETHYLSILSESQUIOXANE	0.60	GREENZN	Filler

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No.	Phase	Trade name	INCI	%	Supplier	Note
11	B	GDS Soft 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		KF-6106	POLYGLYCERYL-3 POLYDIMETHYLSILOXYETHYL DIMETHICONE	0.25		Pigment Dispersant
15		KF995	CYCLOPENTASILOXANE	2.75		Emollient
16		GDP earl EM 05AS	MICA, TRIETHOXYCAPRYLYLSILANE	0.58	GREENZN	Filler
17	C	GDP earl 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

Disclaimer:

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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		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.

Disclaimer:

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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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Longwear Matte Foundation

Formula composition:

GDS260921FD-1

No.	Phase	Trade name	INCI	%	Supplier	Note
1	A	ES-5300	LAURYL PEG-10 TRIS(TRIMETHYLSILOXY)SILYLETHYL DIMETHICONE	3.00		Emulsifier
2		5225C	CYCLOPENTASILOXANE, PEG/PPG-18/18 DIMETHICONE	5.00		Emulsifier
3		KF995	CYCLOPENTASILOXANE	0.50		Emollient
4		SF-906(5)	DIMETHICONE	6.00		Emollient
5		GDSof 56A	PHENYL METHICONE	1.00		Emollient
6		222	DIISOSTEARYL MALATE	0.50		Emollient
7		SF-942A	CAPRYLYL METHICONE	6.00		Emollient
8	B	GDSof 721	DIMETHICONE, DIMETHICONE/VINYL DIMETHICONE CROSSPOLYMER	4.00	GREENZN	Emollient
9		BENTONE GEL® VS-5 PC V HV	CYCLOPENTASILOXANE, DISTEARDIMONIUM HECTORITE, PROPYLENE CARBONATE	5.00		Thickener
10		R974	SILICA DIMETHYL SILYLATE	0.50		Anti-caking Agent

Disclaimer:

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No.	Phase	Trade name	INCI	%	Supplier	Note
11	C	KF-6106	POLYGLYCERYL-3 POLYDIMETHYLSILOXYETHYL DIMETHICONE	0.50		Pigment Dispersant
12		GD Pearl SC 135DM	SILICA, METHICONE	2.00		Filler
13		KF995	CYCLOPENTASILOXANE	5.50		Emollient
14		GD Pearl EM 05AS	MICA, TRIETHOXYCAPRYLYLSILANE	2.45	GREENZN	Filler
15		GD Pearl CR 50TMS	CI 77891, ALUMINUM HYDROXIDE, TRIMETHYLSILOXSILICATE	12.00	GREENZN	Colorant
16		GD Pearl IY 32AS	CI 77492, TRIETHOXYCAPRYLYLSILANE	1.20		Colorant
17		GD Pearl IR 75AS	CI 77491, TRIETHOXYCAPRYLYLSILANE	0.25		Colorant
18		GD Pearl IB 33AS	CI 77499, TRIETHOXYCAPRYLYLSILANE	0.10		Colorant
19	D	Water	WATER	36.85		Solvent
20		Butylene Glycol	BUTYLENE GLYCOL	3.00		Humectant
21		Glycerin	GLYCERIN	3.00		Humectant
22		Magnesium Sulfate	MAGNESIUM SULFATE	0.80		Emulsion Stabilizer
23	E	CPS	CHLORPHENESIN	0.05		Preservative
24		PH91	PHENOXYETHANOL, ETHYLHEXYLGLYCERIN	0.60		Preservative
25	F	SLA1170	PARFUM	0.20		Parfum

Disclaimer:

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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 order, add into Phase A and stir until homogeneous.
3. Weigh Phase C raw materials, grind three times 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 again once until the oil phase is uniform.
4. Weigh Phase D raw materials, heat in a water bath to 60°C and stir until fully dissolved.
5. Keep the water phase and oil phase at 80°C under heat preservation. Stir the oil phase at medium-high speed, slowly add the water phase dropwise into the oil phase. After water phase addition is completed, 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.

Disclaimer:

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Skin-Caring Longwear Foundation

Formula composition:

GDS261013FD-1

No.	Phase	Trade name	INCI	%	Supplier	Note
1		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	A	GDPearl CR-50ASM	60% CR-50ASM, 2% POLYGLYCERYL-3	13.50	GREENZN	Colorant
		Slurry (60% Pigments)	POLYDIMETHYLSILOXYETHYL DIMETHICONE, 2% LAURYL PEG-8 DIMETHICONE, 1% POLYHYDROXYSTEARIC ACID, 35% CYCLOPENTASILOXANE			
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		GD Resin 102A	TRIMETHYLSILOXYSILICATE	2.00	GREENZN	Film-former
14		RB-24	DIMETHICONE, TRIMETHYLSILOXYSILICATE	2.00		Film-former
15		GD Pearl EM 05AS	MICA, TRIETHOXYCAPRYLSILANE	3.00	GREENZN	Filler
16		GD Pearl PQ 05	POLYMETHYLSILSESQUIOXANE	1.20	GREENZN	Filler
17		BENTONE 38 V CG	DISTEARDIMONIUM HECTORITE	0.50		Thickener

Disclaimer:

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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		Xanthan Gum	XANTHAN GUM	0.05		Thickener
21	B	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	C	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.

Disclaimer:

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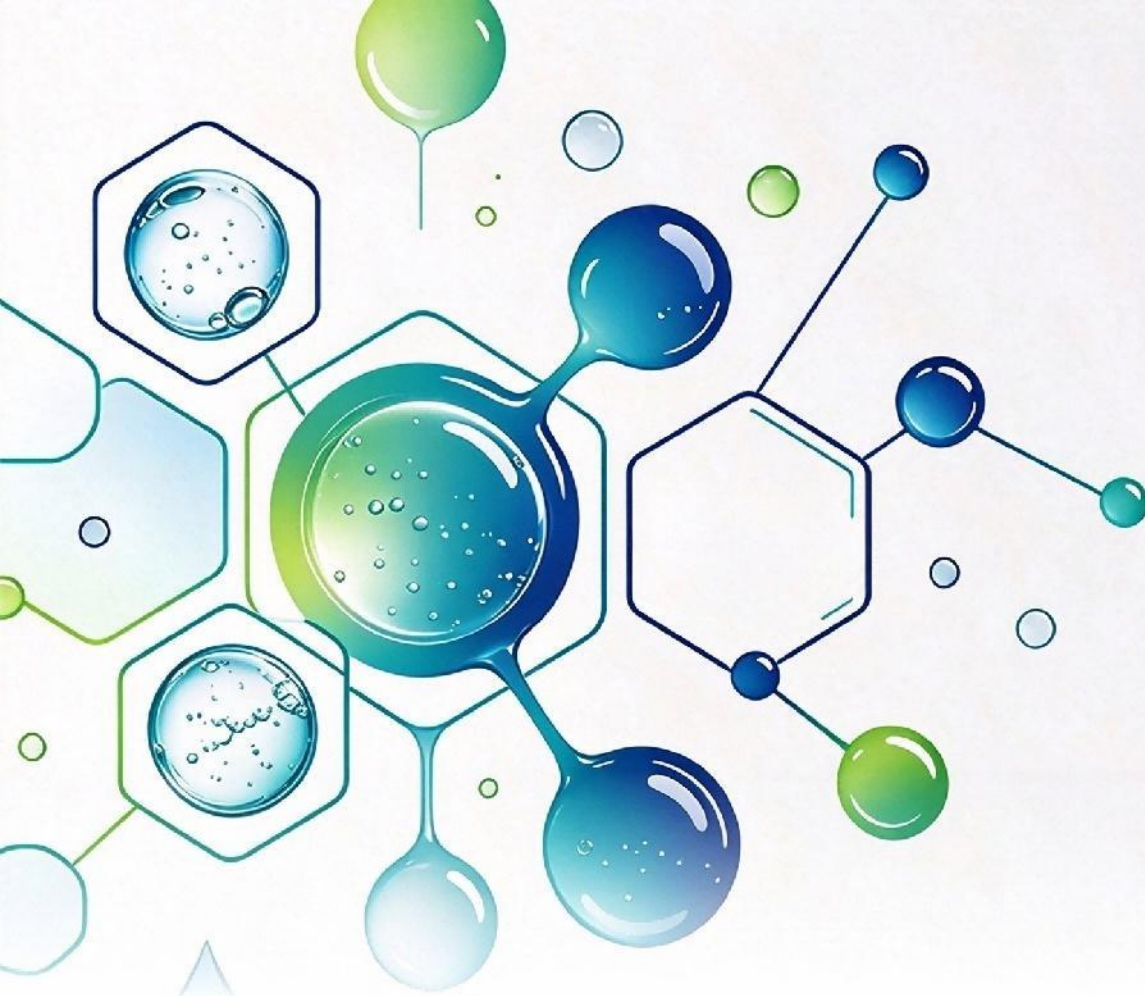
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4. Cool down under stirring. When the temperature drops to 42°C, replenish water to 101% (add the supplementary water slowly), then keep stirring for 5 minutes.
5. Add Phase D and stir until homogeneous.

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GreenZn • Formulation Manual for Skincare & Color Cosmetics

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All formulations for laboratory reference only

