

Our specialty silicone products
deliver sensory excellence to
hair care, skin care and
makeup cosmetic formulations.



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more information.

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Please note that the formulations in this booklet are only intended as a guide. They are not a commercial formulations and have not been tested as such. The formulations should be evaluated and modified for your own requirements before use. Also suggestions of uses should not be taken as inducements to infringe any particular patent.

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Formulating the Future

Guide Formulations



About Us

KCC SILICONE Corporation built the first silicon monomer production facilities in Korea and successfully localized raw materials for silicones, which had been imported from other countries. Through the synthesis and application of silicone monomers and polymers, we produce and supply silicone products including sealants, silicone rubber, silanes, silicone oils, silicone emulsions and silicone dispersions for construction and business. In addition, we are committed to helping our customers gain competitive advantages by supplying products that meet their needs through continuous R&D and technology innovation.

In order to produce eco-friendly and sustainable silicone products, KCC SILICONE corporation optimizes its pollution prevention facilities for each type of pollutant. In response to growing social demands for safe and eco-friendly manufacturing processes, we established a new safety and environmental inspection system and renovated our existing facilities.

With the market trend of eco-friendly and healthy products, there is a growing demand for sustainable products in the construction industry. As we have worked on meeting demand ahead of time, we were named by the Minister of Environment in 2010 as a leading resource recycling company that had improved its environmental competitiveness by reducing waste at business sites.

Guide Formulations

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Oil Drop Ampoule SS_29

Oil Drop Ampoule is a solubilizer type skin care formulation. This ampoule contains oil and water-soluble moisturizing ingredients without emulsifiers. This is because the specific gravity of oil phase and water phase is similar. So, the oil component appears to be floating like water droplets inside the ampoule. So it has a light texture and the moist feeling of oil at the same time. SeraSense® SF DPTM is the key ingredient. This is because its specific gravity is similar to that of water. It also provides a moist feel and high shining effect. SeraSilk® EL 86 is a light feel silicone gel. It gives a smooth and soft feel.

Raw Material/INCI Name	% w/w	Trade name/Supplier	Function
Phase A			
Disodium EDTA	0.02	Various	Chelating Agent
Acrylates/C10-30 Alkyl Acrylate Crosspolymer	0.05	Pemulen™ TR-1 polymer / Lubrizol	Thickener Suspending agent
Butylene Glycol	8.0	Various	Humectant
Pentylene Glycol	2.0	Various	Preservative Humectant
1,2-Hexanediol	2.0	Various	Preservative Humectant
D.I Water	To 100		
Phase B			
Tromethamine	0.04	Various	pH adjuster
D.I Water	3.0		
Phase C			
Diphenylsiloxy Phenyl Trimethicone	10.0	SeraSense® SF DPTM /KCC Beauty	Moisturizing Shining effect
Methyl Trimethicone (and) Dimethicone/Vinyl Dimethicone Crosspolymer	1.0	SeraSilk® EL 86 /KCC Beauty	Smoothness & Softness
Fragrance	q.s	Various	Fragrance
Color	q.s	Various	Color

Method

- Mix the ingredients of Phase A until homogenous
- Add the ingredients of Phase B slowly stirring until the viscosity is formed
- In a separate vessel, mix the ingredients of Phase C, than slowly add to Phase A+B
- Stir slowly

Trouble Care Zinc Serum SS_30

Trouble Care Zinc Serum is an O/W type emulsion containing zinc oxide. Zinc Oxide is known as a mineral sunscreen ingredient, but it also has anti-inflammatory and soothing effects. So it is good for trouble care or wound care. SeraSense® ZD 20 is a zinc oxide dispersion. Because Zinc Oxide is a powder, it is difficult to disperse in liquids, but SeraSense® ZD 20 can be easily used in any formulation. SeraSilk® EL 41 is a polysilicon-11 gel blend that is the softest of any other our silicone gel blend.

Raw Material/INCI Name	% w/w	Trade name/Supplier	Function
Phase A			
Disodium EDTA	0.02	Various	Chelating Agent
Xanthan Gum	0.1	Keltrol® CG-F / CP Kelco	Thickener Conditioning
Ammonium Acryloyldimethyltaurate/VP Copolymer	0.35	Aristoflex® AVC/ Clariant	Thickener
PEG-11 Methyl Ether Dimethicone	1.0	SeraSol® SC 85 /KCC Beauty	Emulsifier
Glycerin	5.0	Various	Humectant
Butylene Glycol	5.0	Various	Humectant
D.I Water	To 100		
Phase B			
C14-22 Alcohols (and) C12-20 Alkyl Glucoside	3.0	MONTANOV™ L /SEPPIC	Emulsifier
Vinyl Dimethicone	3.0	SeraSense® SF VD 100 /KCC Beauty	Emollient
Phase C			
Dimethicone (and) Polysilicone-11	1.0	SeraSilk® EL 41 /KCC Beauty	Smoothness & Softness
Zinc Oxide (and) Dimethicone(and) Polyglyceryl-3 Polydimethylsiloxyethyl Dimethicone(and) Triethoxycaprylylsilane	8.0	SeraSense® ZD 20 /KCC Beauty	Anti-inflammatory & soothing effect
Phase D			
Eucalyptus Globulus Leaf Oil	q.s	Various	Fragrance Acne improvement
Pentylene Glycol	2.0	Various	Preservative Humectant
1,2-Hexanediol	2.0	Various	Preservative Humectant

Method

- Mix the ingredients of Phase A until homogenous
- In separate beaker , Mix the ingredients of Phase B at above 70°C
- Slow add phase B into phase A and emulsify for 3 minutes at 70°C and above 3500rpm using Homo mixer
- Add the ingredients of Phase C while stirring until homogenous
- After cooling to 45°C, add the ingredients of phase D and stir until homogenous
- Cool to below 30°C

Ampoule Cream SS_31

Ampoule cream is a translucent O/W cream. One of the recent Korean cosmetics trends is simplicity. This means reducing skin care steps. It is a cream that combines an ampoule and cream. So, the feeling of use is good spreading and the adhesion and nutrition feel like an ampoule. And the after feeling is like a highly nutritious and moisturizing cream. SeraSense® SF PCA is a silicone oil modified PCA, moisture factor. So it provides a deep moisturizing effect. And SeraSense® CF 50 is a hydroxyl group modified with silicone oil, which provides a very luxurious skin feel and good rolling feeling. SeraSilk® ELA 20 is natural origin oil-blended silicone gel. It gives a smooth and soft feeling without stickiness.

Raw Material/INCI Name	% w/w	Trade name/Supplier	Function
Phase A			
EDTA-2Na	0.02	Various	Chelating Agent
Glycerin	5.0	Various	Humectant
Butylene Glycol	8.0	Various	Humectant
Bis-PEG-18 Methyl Ether Dimethyl Silane	3.0	SeraSoft® SW 75/KCC Beauty	Skin conditioning agent Humectant
PEG-11 Methyl Ether Dimethicone	1.0	SeraSol® SC 85 /KCC Beauty	Emulsifier
D.I Water	To 100		
Phase B			
Cetearyl Alcohol	1.0	Lanette® O / BASF	Thickener
Polyglyceryl-3 Methylglucose Distearate	3.0	TEGO® Care 450 / Evonik	Emulsifier
PCA Dimethicone	2.0	SeraSense® SF PCA/KCC Beauty	Deep moisturizing effect
Bis-Hydroxyethoxypropyl Dimethicone	3.0	SeraSense® CF 50 /KCC Beauty	Luxurious skin feel Emollient
Vinyl Dimethicone	5.0	SeraSense® SF VD 100 /KCC Beauty	Emollient
Caprylic/Capric Triglyceride	5.0	Various	Emollient
Phase C			
Methyl Trimethicone	8.0	SeraSense® SF MTM/KCC Beauty	Light & Non-greasy after feel
Undecane (and) Tridecane (and) Dimethicone/ Vinyl Dimethicone Crosspolymer	2.0	SeraSilk® ELA 20 /KCC Beauty	Smoothness & Softness
Phase D			
Polyacrylate-13 (and) Polyisobutene (and) Polysorbate 20	0.6	SEPIPLUS™ 400/SEPPIC	Emulsifier Thickener
Phase E			
Adenosine	0.04	Various	Wrinkle functionality
D.I Water	3.0	Various	
Phase F			
1,2-Hexandiol	2.0	Various	Preservative Humectant
Pentylene Glycol	2.0	Various	Preservative Humectant
Fragrance	q.s	Various	Fragrance

Method

- Mix the ingredients of Phase A until homogenous at 70°C
- Melt Phase B at above 70°C
- Slow add phase B into phase A and emulsify for 3 minutes at 70°C and above 3500rpm using Homo mixer.
- Add the ingredients of Phase C,D stirring for 1 minute
- Cool down to 45°C, Add the ingredients of Phase E,F stirring until homogenous
- Cool down to below 30°C

Erasing Spot Serum SS_32

Erasing Spot Serum is a W/O type translucent gel serum. Silicone is breathable and waterproof. So silicone protects the skin from external pollution and allows air to pass through. Therefore, silicone is effective in treating scars. This formula was developed as an acne scar (spot) care cosmetic by benchmarking scar treatment ointments. SeraSilk® EL 41 is a polysilicon-11 gel blend that provides an extremely soft and silky feel. Additionally, SeraSilk® EL 81 feels soft and softness. So that serum feels very soft, light, and non-sticky.

Raw Material/INCI Name	% w/w	Trade name/Supplier	Function
Phase A			
Lauryl Polyglyceryl-3 Polydimethylsiloxyethyl Dimethicone	0.5	SeraSol® PF 105 /KCC Beauty	Non PEG Emulsifier
Polyglyceryl-3 Polydimethylsiloxyethyl Dimethicone	1.5	SeraSol® PF 107 /KCC Beauty	Non PEG Emulsifier
Dimethicone (and) Polysilicone-11	10.0	SeraSilk® EL 41 /KCC Beauty	Smoothness & Softness
Isododecane (and) Dimethiconol (and) Dimethicone/Vinyl Dimethicone Crosspolymer	8.0	SeraSilk® EL 81 /KCC Beauty	Smoothness & Softness
Methyl Trimethicone	10.0	SeraSense® SF MTM /KCC Beauty	Light & Non-greasy after feel
Triethylhexanoin	3.0	Various	Emollient
Phase B			
D.I Water	To 100		
Trehalose	1.0	Various	Maintain moisture
Allantoin	0.05	Various	Skin soothing Irritation relief
Glycerin	10.0	Various	Humectant
Butylene Glycol	20.0	Various	Humectant
Pentylene Glycol	2.0	Various	Preservative Humectant
1,2-Hexanediol	2.0	Various	Preservative Humectant
Phase C			
Fragrance	q.s	Various	Fragrance

Method

- Mix the ingredients of Phase A until homogenous
- In separate vessel, mix the ingredients of Phase B, and than slowly add to Phase A, stirring until homogenous
- Add the ingredients of Phase C stirring until homogenous

Close UP Glossy Serum SS_28

Close UP Glossy Serum is a W/O emulsion. It has high adhesion and shiny effect. SeraSense® RBS 11 is an MQ resin film former. Provides adhesion and lifting effect. This new film former has thixotropic properties and appears syrupy. SeraSense® SF DPTM is a phenyl-modified silicone oil. Gives a strong shining effect.

Raw Material/INCI Name	% w/w	Trade name/Supplier	Function
Phase A			
Lauryl Polyglyceryl-3 Polydimethylsiloxyethyl Dimethicone	1.5	SeraSol® PF 105/KCC Beauty	Non PEG Emulsifier
Polyglyceryl-3 Polydimethylsiloxyethyl Dimethicone	1.0	SeraSol® PF 107/KCC Beauty	Non PEG Emulsifier
Isododecane (and) Dimethiconol	1.0	SeraSense® GB 87 /KCC Beauty	Rolling effect
Isododecane (and) Trimethylsiloxy silicate	2.0	SeraSense® RBS 11 /KCC Beauty	Adhesion feel, Film former
Diphenylsiloxy Phenyl Trimethicone	5.0	SeraSense® SF DPTM /KCC Beauty	Shining effect
Dimethicone	7.0	SeraSense® SF 6 /KCC Beauty	Emollient
Triethylhexanoin	6.0	Various	Emollient
Phase B			
D.I Water	To 100		
Pentylene glycol	2.0	Various	Preservative Humectant
1,2-Hexandiol	2.0	Various	Preservative Humectant
Glycerin	6.0	Various	Humectant
Butylene Glycol	3.0	Various	Humectant
Sodium Chloride	1.5	Various	Emulsion stable agent
Phase C			
Fragrance	q.s	Various	Fragrance

Method

- Mix the ingredients of Phase A until homogenous
- In separate vessel, mix the ingredients of Phase B, and than slowly add to Phase A, stirring until homogenous
- Add the ingredients of Phase C stirring until homogenous

Fitting Sunscreen MS_63

This sun cream has flexible touch and fit feels. SeraSilk® EL 30 gives light non-greasy soft and silky skin feels. The main feature of SeraSilk® EL 30 is the SPF boosting effect. It is advantageous for expressing a smooth after feel in sun care formulations. SeraSol® PF 105 and 106 are polyglyceryl modified emulsifier and dispersant for W/O or W/Si type cosmetics. SeraSense® AC 19 works as good film formers and gives water resistant effect and lasting effect.

Raw Material/INCI Name	% w/w	Trade name/Supplier	Function
Phase A			
Dimethicone	6.0	SeraSense® SF 1.5/KCC Beauty	Emollient
Bis-Hydroxyethoxypropyl Dimethicone	5.0	SeraSense® CF 52/KCC Beauty	Emollient
Cetyl Dimethicone	1.0	SeraSoft® SW 74/KCC Beauty	Emollient SPF booster
Lauryl Polyglyceryl-3 Polydimethylsiloxyethyl Dimethicone	3.8	SeraSol® PF 105/KCC Beauty	Emulsifier
Polyglyceryl-3 Polydimethylsiloxyethyl Dimethicone	3.0	SeraSol® PF 106/KCC Beauty	Emulsifier
Dimethicone (and) Drometrizole Dimethicone / Bis-Vinyl Dimethicone Crosspolymer	5.0	SeraSilk® EL 30/KCC Beauty	Elastomer blend SPF booster
Isododecane (and) Acrylate/ Dimethicone copolymer	3.0	SeraSense® AC 19/KCC Beauty	Film former
Ethylhexyl Methoxycinnamate	7.0	Uvinul MC-80/BASF	UVB Absorber
Ethylhexyl Salicylate	4.5	PARSOL® EHS / DSM	UVB Absorber
1,2-hexanediol	2.0	Various	Preservative
Titanium Dioxide (and) Aluminum Hydroxide (and) Stearic Acid	3.0	MT-100TV/TAYCA	UV Absorber
Zinc Oxide (and) Hydrogen Dimethicone	8.0	MZY-303S/TAYCA	UV Absorber
Phase B			
Deionized Water	To 100		
Butylene Glycol	3.0	Various	Humectant
Glycerin	3.0	Various	Humectant
Sodium Chloride	0.8	Various	Emulsion stable agent
Phase C			
Fragrance	q.s		Fragrance

Method

- Mix the ingredients of Phase A until homogenous at 65°C
- Slowly add Phase B to A with mixing at 65°C
- Slowly cooling down and add C to A with stirring.

Typical Properties

- **Appearance** : White, viscous emulsion
- **pH @ 25°C** : n/a

Moisture Fitting Sun Milk MS_65

This sun screening lotion has milky touch and good moisturizing feels. SeraSoft® SW 74 provides a good emolliency feel with some SPF boosting. SeraSense® CF 52 give long-lasting sensory feel by increasing compatibility and adhesion with organic oils. SeraSense® SF DPTM helps provide a good shining effect with tremendous compatibility in general oil phase ingredients. It has excellent gloss durability.

Raw Material/INCI Name	% w/w	Trade name/Supplier	Function
Phase A			
Diphenylsiloxy Phenyl Trimethicone	5.0	SeraSense® SF DPTM	Emollient
Bis-Hydroxyethoxypropyl Dimethicone	5.0	SeraSense® CF 52/KCC Beauty	Emollient
Cetyl Dimethicone	0.5	SeraSoft® SW 74/KCC Beauty	Emollient SPF booster
Isopropyl Myristate	3.0	Various	Emollient
Ethylhexyl Methoxycinnamate	3.0	Uvinul MC-80/BASF	UVB Absorber
Ethylhexyl Salicylate	5.0	PARSOL® EHS / DSM	UVB Absorber
Phase B			
Diethylamino Hydroxybenzoyl Hexyl Benzoate	10.0	Uvinul A PLUS/BASF	UVA Absorber
Phase C			
Polyglyceryl-3 Methylglucose Distearate	1.0	Various	Emulsifier
Glyceryl Stearate	3.0	Various	Emulsifier
PEG-100 Stearate	2.0	Various	Emulsifier
PEG-11 Methyl Ether Dimethicone	2.0	SeraSol® SC 85/KCC Beauty	Emulsifier
Phase D			
Deionized Water	To 100		
Glycerin	3.0	Various	Humectant
Phase E			
Disodium EDTA	0.05	Various	Chelating Agent
Acrylate Copolymer	1.3	Various	Rheology Modifier
Phase F			
Preservative	q.s	Various	Preservative
Fragrance	q.s	Various	Fragrance

Method

- To a secondary bottle add Phase A and start mixing, add Phase B and heat to 80°C.
- Add Phase C into Phase A+B, mixing well until all are dissolved.
- To the main bottle add Phase D, start mixing and add Phase E.
- Heat Phase D+E to 80°C.
- Slowly add Phase A+B+C to Phase D+E with mixing.
- After mixing well, start cooling below 45°C and then add Phase F with mixing.
- Continuous mixing until room temperature.

Tone up Sun Cushion MS_68

This sun cushion formulation use SeraSense® TI 20 and ZD 20. SeraSense® TI 20 is TiO2 dispersion product containing 45% TiO2. SeraSense® SF DPTM helps provide a good shining effect with tremendous compatability in general oil phase ingredients. It has excellent gloss durability. SeraSoft® SW 74 provides a good emolliency feel with some SPF boosting. SeraSol® PF 105 and 106 are polyglyceryl modified emulsifier and dispersant for W/O or W/Si type cosmetics.

Raw Material/INCI Name	% w/w	Trade name/Supplier	Function
Phase A			
Caprylyl Methicone	2.0	SeraSense® SF CPM-A/KCC Beauty	Emollient
Diphenylsiloxy Phenyl Trimethicone	2.0	SeraSense® SF DPTM/KCC Beauty	Emollient
Dimethicone	2.0	SeraSense® SF 6/KCC Beauty	Emollient
Bis-Hydroxyethoxypropyl Dimethicone	5.0	SeraSense® CF 52/KCC Beauty	Emollient
Cetyl Dimethicone	1.0	SeraSoft® SW 74/KCC Beauty	Emollient, SPF Booster
Lauryl Polyglyceryl-3 Polydimethylsiloxyethyl Dimethicone	3.8	SeraSol® PF 105/KCC Beauty	Emulsifier
Polyglyceryl-3 Polydimethylsiloxyethyl Dimethicone	3.0	SeraSol® PF 106/KCC Beauty	Dispersant
Ethylhexyl Methoxycinnamate	7.0	Uvinul MC-80/BASF	UVB Absorber
Zinc Oxide (and) Dimethicone (and) Polyglyceryl-3 Polydimethylsiloxyethyl Dimethicone (and) Triethoxycaprylylsilane	20.0	SeraSense® ZD 20 /KCC Beauty	UV Absorber
Titanium Dioxide (and) Dimethicone (and) Lauryl Polyglyceryl-3 Polydimethylsiloxyethyl Dimethicone (and) Aluminium Hydroxide (and) Stearic Acid	10.0	SeraSense® TI 20 /KCC Beauty	UV Absorber
Chromium Oxide Green	0.05	Various	Pigment
1,2-hexanediol	2.0	Various	Preservatives
Phase B			
Deionized Water	To 100		
Butylene Glycol	3.0	Various	Humectant
NaCl	0.8	Various	Emulsion stable agent
Phase C			
Fragrance	q.s		Fragrance

Typical Properties

- **Appearance:** Low viscous emulsion
- **pH @ 25°C:** n/a

Method

- Mix the ingredients of Phase A until homogenous.
- Slowly add Phase B to A with mixing.
- Add C to A with stirring.

Spot Defense Sunscreen MS_72

This sunscreen is a multi-functional formula. It contains a large amount of elastomer blends to provide instant wrinkle coverage in specific spots and has a very soft feel. The main feature of SeraSilk® EL 30 and SeraSoft® SW 74 are the SPF boosting effect. SeraSilk® EL 11 is advantageous for expressing a smooth after feel with instant wrinkle covering effect.

Raw Material/INCI Name	% w/w	Trade name/Supplier	Function
Phase A			
Caprylyl Methicone	1.0	SeraSense® SF CPM-A/KCC Beauty	Emollient
Bis-Hydroxyethoxypropyl Dimethicone	1.0	SeraSense® CF 52/KCC Beauty	Emollient
Cetyl Dimethicone	1.0	SeraSoft® SW 74/KCC Beauty	Emollient SPF booster
Ethylhexyl Methoxycinnamate	6.0	Uvinul MC-80/BASF	UVB Absorber
Ethylhexyl Salicylate	4.0	PARSOL® EHS / DSM	UVB Absorber
Diethylamino Hydroxybenzoyl Hexyl Benzoate	8.0	Uvinul A Plus/BASF	UVA Absorber
Ethylhexyl Triazone	4.0	Uvinul T 150/BASF	UVB Absorber
Isododecane	9.0	Various	Emollient
Phase B			
Dimethicone (and) PEG-15/Lauryl Dimethicone Crosspolymer	1.0	SeraSol® EL 99/KCC Beauty	Emulsifier
Dimethicone (and) Drometrizole Dimethicone / Bis-Vinyl Dimethicone Crosspolymer	5.0	SeraSilk® EL 30/KCC Beauty	Elastomer blend SPF booster
Dimethicone (and) Dimethicone Crosspolymer	To 100	SeraSilk® EL 11/KCC Beauty	Elastomer blend

Method

- Mix the ingredients of Phase A until homogenous.
- Slowly add Phase B to A with mixing.

Lasting Coverage Concealer MS_67

This concealer has excellent adhesion feels and good covering effect. SeraSense® RBS 11 has the characteristic of changing film flexibility depending on temperature and external force. This allows the film to adhere more flexibly than the rigid feature of existing MQ resin. SeraSense® SF DPTM helps provide a good shining effect with tremendous compatibility in general oil phase ingredients. It has excellent gloss durability. SeraSoft® SW 74 provides a good emolliency feel with some SPF boosting.

Raw Material/INCI Name	% w/w	Trade name/Supplier	Function
Phase A			
Diphenylsiloxy Phenyl Trimethicone	6.0	SeraSense® SF DPTM/KCC Beauty	Emollient
Dimethicone	6.0	SeraSense® SF 6/KCC Beauty	Emollient
Cetyl Dimethicone	1.0	SeraSoft® SW 74/KCC Beauty	Emollient SPF booster
Cetyl PEG/PPG-10/1 Dimethicone	3.0	SeraSol® SC 83T/KCC Beauty	Emulsifier
PEG-10 Dimethicone	2.0	SeraSol® SC 86T/KCC Beauty	Emulsifier
Isododecane (and) Trimethylsiloxy silicate	2.0	SeraSense® RBS 11/KCC Beauty	Film former
Ethylhexyl Methoxycinnamate	5.0	Uvinul MC-80/BASF	UVB Absorber
1,2-hexanediol	2.0	Various	Preservative
Titanium dioxide (and) Iron oxide (and) Mica (and) Polymethyl methacrylate	10.0	BB Base/EnTop	Pigment
Titanium Dioxide (and) Aluminum Hydroxide (and) Stearic Acid	3.0	MT-100TV/TAYCA	UV Absorber
Zinc Oxide (and) Hydrogen Dimethicone	8.0	MZY-303S/TAYCA	UV Absorber
Phase B			
Deionized Water	To 100		
Glycerin	3.0	Various	Humectant
Sodium Chloride	0.8	Various	Emulsion stable agent
Phase C			
Fragrance	q.s	Various	Fragrance

Typical Properties

- **Appearance** : Beige, high viscous emulsion
- **pH @ 25°C** : n/a

Method

- Mix the ingredients of Phase A until homogenous at 65°C.
- Slowly add Phase B to A with mixing at 65°C.
- Slowly cooling down and add C to A with stirring.

Soft Covering BB Foundation MS_71

This Foundation has excellent smooth feel and covering effect. SeraSense® SF PCA is PCA dimethicone that makes improving sensorial properties in formulations. SeraSol® PF 105 and 106 are polyglyceryl modified emulsifier and dispersant for W/O or W/Si type cosmetics. SeraSilk® EL 41 is a polysilicone-11 gel blend product and provides a good smooth elastic feels with natural covering.

Raw Material/INCI Name	% w/w	Trade name/Supplier	Function
Phase A			
PCA Dimethicone	2.0	SeraSense® SF PCA/KCC Beauty	Emollient
C9-12 Alkane	8.0	Harmonie Soft Fluid/ Momentive	Emollient
Lauryl Polyglyceryl-3 Polydimethylsiloxethyl Dimethicone	3.8	SeraSol® PF 105/KCC Beauty	Emulsifier
Polyglyceryl-3 Polydimethylsiloxethyl Dimethicone	3.0	SeraSol® PF 106/KCC Beauty	Emulsifier
Dimethicone (and) Polysilicone-11	3.0	SeraSilk® EL 41/KCC Beauty	Elastomer blend
Dimethicone (and) Trimethylsiloxysilicate	2.0	SeraSense® RB 23/KCC Beauty	Film former
Acrylates / Dimethicone Copolymer (and) Dimethicone	2.0	SeraSense® AD 52/KCC Beauty	Dispersant
Dimethicone (and) Disteardimonium Hectorite	5.0	Various	Viscosity increasing agent
1,2-hexanediol	2.0	Various	Preservative
Ethylhexylmethoxy cinnamate	7.0	Uvinul MC-80/BASF	UVB Absorber
Tiranium dioxide (and) Iron oxide (and) Mica(and) Polymethyl methacrylate	12.0	BB Base/EnTop	Pigment
Silica	1.0	Harmonie Luxe 4 Powder/ Momentive	Skin Conditioning Agent
Phase B			
Deionized Water	To 100		
Butylene Glycol	3.0	Various	Humectant
Sodium Chloride	0.8	Various	Emulsion stable agent
Phase C			
Fragrance	q.s	Various	Fragrance

Typical Properties

- **Appearance** : Beige, viscous emulsion
- **pH @ 25°C** : n/a

Method

- Mix the ingredients of Phase A until homogenous at 65°C.
- Slowly add Phase B to A with mixing at 65°C.
- Slowly cooling down and add C to A with stirring.

Velvety Smooth Lip ME_44

This formulation has a natural smooth velvety feeling. SeraSense® CF 50 is a carbinol fluid. It has a very luxurious feel, and it has a good compatibility with other oil ingredients. SeraSilk® EL 81 is a sensory elastomer blend product. It has elastic smooth feels and can make soft focus effects. SeraSnow® SP 14 gives light, silky and non greasy skin feel.

Raw Material/INCI Name	% w/w	Trade name/Supplier	Function
Phase A			
Dimethicone	8.0	SeraSense® SF1.5 / KCC Beauty	Emollient
Methyl Trimethicone	7.0	SeraSense® SF MTM / KCC Beauty	Emollient
Bis-Hydroxyethoxypropyl Dimethicone	3.0	SeraSense® CF 50 / KCC Beauty	Improving Compatibility
Dimethiconol (and) Isododecane (and) Dimethicone/Vinyl Dimethicone Crosspolymer	15.0	SeraSilk® EL 81 / KCC Beauty	Creamy feel & matt finish effect
Lip Cor #	10.0	Various	Colorant
Isononyl Isononanoate	To 100	KAK 99 / KOKYU Alcohol	Emollient
Dibutyl Adipate	5.0	Cetiol B / BASF	Emollient
Diisostearyl Malate	10.0	Cosmol 222 / Wha Costech	Emollient
Isododecane (and) Disteardimonium Hectorite (and) Propylene Carbonate	12.0	BENTONE GEL® ISD V / Elementis Specialty	Viscosity increasing agent, Thickner
1,2-Hexanediol	1.0	Various	Preservative
Phase B			
Vinyl Dimethicone / Methicone Silsesquioxane Crosspolymer	10.0	SeraSnow® SP 14 / KCC Beauty	Soft touch feeling Wrinkle cover
Silica Dimethyl Silylate	1.5	Aerosil R 972 / EVONIK	Viscosity increasing agent, Thickner

Method

- Mix the ingredients of Phase A until homogenous.
- Add the ingredients of Phase B, stirring until homogenous.

Soft Layering Lip Stick ME_49

Soft Layering Lip stick is a soft semi-matt lip product that can make very luxurious and attractive makeup. SeraSense® CF 50 is a carbinol fluid. It has a very luxurious feel, and it has a good compatibility with other oil ingredients. SeraSilk® PD 72 has creamy, velvety feel. It can make soft velvet texture. SeraSnow® SP 14 gives light, silky and non greasy skin feel.

Raw Material/INCI Name	% w/w	Trade name/Supplier	Function
Phase A			
Vinyl Dimethicone/Methicone Silsesquioxane Crosspolymer	5.0	SeraSnow® SP 14 / KCC Beauty	Soft touch feel, Wrinkle cover
Silica	10.0	Harmonie Luxe 4 powder/ Momentive	Soft touch feel
Phase B			
Dimethicone (and) Dimethicone/Vinyl Dimethicone Crosspolymer	5.0	SeraSilk® PD 72 / KCC Beauty	Creamy, velvety feel
Dimethicone (and) Dimethicone/Vinyl Dimethicone Crosspolymer	15.0	SeraSilk® EL 61 / KCC Beauty	Creamy, velvety feel
Bis-Hydroxyethoxypropyl Dimethicone	10.0	SeraSense® CF 50 / KCC Beauty	Improving Compatibility Emollient
Isononyl Isononanoate	To 100	KAK 99 / KOKYU Alcohol	Emollient
Diisostearyl Malate	5.0	Cosmol 222 / Nisshin Oillio	Emollient
Lip COL#	5.0	Various	Colorant
Phase C			
Synthetic wax	3.0	Performa SW 88	Viscosity Increasing agents
Microcrystalline wax	6.0	Various	Viscosity Increasing agents
Ceresin	6.0	Ceresin Wax	Viscosity Increasing agents
Phase D			
1,2-Hexanediol	1.0	Various	Preservative

Method

- Mix the ingredients of Phase A until homogenous.
- Add B to A with stirring.
- Melt all ingredients in Phase C in a separate beaker on the 90°C hot plate.
- Add C and D to above phase.
- Molding and freeze.

Scalp Scaler HS_34

Scalp Scaler is a formula that includes a wash-off type scrub. Scalp care is one of the global hair trends. This formula provides scaling to the scalp and a conditioning effect on the hair. SeraSoft® SW 75 has moisturizing and foam-boosting effects, and SeraShine® EM 410 is a gum blend emulsion using an amphoteric surfactant and guar gum. So it is very gentle and has a high conditioning effect.

Raw Material/INCI Name	% w/w	Trade name/Supplier	Function
Phase A			
Glycerin	15.0	Various	Humectant
Cocamide MEA	7.0	Micopol CME / Miwon Commercial	Surfactant
Sodium Lauroyl Glutamate	4.0	Miami LS 190 / Miwon Commercial	Surfactant
Bis-PEG-18 Methyl Ether Dimethyl Silane	1.0	SeraSoft® SW 75 / KCC Beauty	Humectant
D.I Water	To 100		
Phase B			
Sodium Lauroyl Sarcosinate	10.0	Miami L 30 / Miwon Commercial	Surfactant
Phase C			
Dimethicone(and) Water (and) Guar Hydroxypropyltrimonium Chloride (and) C12-14 Sec-Alketh-3 (and) Cocamidopropyl Betaine	3.5	SeraShine® EM 410 / KCC Beauty	Mild conditioning
Phase D			
Sodium Benzoate	q.s	Various	Preservative
D.I Water	3.0		
Phase E			
Salt	45.0	Various	Scrub

Method

- Melt phase A ingredients above 60°C until homogeneous.
- Lower the temperature while stirring to 50°C.
- Add phases B, C, D to phase A and stir.
- After cooling, add Phase E

Cooling Hair Ampoule HS_35

Cooling Hair Ampoule is a water-soluble hair and scalp care formula. During the hot summer season, reducing the heat of the scalp is the best way to overcome the heat. Hair loss also occurs due to scalp fever. This formula reduces scalp heat and supplies moisture to irritated scalp. SeraSense® SF PCA is a dimethicone fluid modified moisture factor PCA. So it provides high moisturizing power. SeraSilk® EM 608 is a gel blend emulsion. So it gives the hair a soft and soft feel.

Raw Material/INCI Name	% w/w	Trade name/Supplier	Function
Phase A			
Disodium EDTA	0.02	Various	Chelating Agent
Bis-PEG-18 Methyl Ether Dimethyl Silane	1.5	SeraSoft® SW 75 / KCC Beauty	Humectant
Sodium Hyaluronate	0.02	Various	Humectant
Butylene Glycol	7.0	Various	Humectant
Pentylene Glycol	2.0	Various	Preservative Humectant
1,2-Hexandiol	2.0	Various	Preservative Humectant
D.I Water	To 100		
Phase B			
Ammonium Acryloyldimethyltaurate/VP Copolymer	0.5	Aristoflex AVC / Clariant	Thickener
Phase C			
PCA Dimethicone	1.0	SeraSense® SF PCA / KCC Beauty	Deep moisturizing effect
Phase D			
Alcohol	6.0	Various	Rapid volatilization
L-Menthol	0.3	Various	Cooling agent
Eucalyptus Globulus Leaf Oil	0.1	Various	Aroma oil Wellness Trend
Phase E			
Dimethicone(and) Dimethicone/ Vinyl Dimethicone Crosspolymer(and) Laureth-4 (and) Laureth-23 (and)1,2-hexandiol	2.0	SeraSilk® EM 608 / KCC Beauty	Smoothness & Softness

Method

- Mix the ingredients of Phase A until homogeneous.
- Add Phase B to Phase A while stirring slowly.
- Add phase C to phases A+B while stirring slowly.
- Mix phase D ingredients evenly in a separate container and add them slowly.
- Add to Phase E

Hair Glue Stick HS_36

Hair Glue Stick is a stick type hair care formula. Fixes curly and fine hair. Hair is also damaged by UV rays. This formula contains UV blocker ingredients along with an SPF booster. SeraSense® AW 61 is a film-forming wax and SeraSense® RB 21 is a resin film former. These products have the effect of fixing fine hair. SeraSilk® EL 30 is an SPF booster and is an elastomer gel containing modified organic sunscreen ingredient drometrizole.

Raw Material/INCI Name	% w/w	Trade name/Supplier	Function
Phase A			
Synthetic wax	5.0	SaSol Wax® C 80/ SaSol	Hardness formation
Microcrystalline Wax	7.0	SaSol Wax® 3279/ SaSol	Hardness formation
Acrylates/Stearyl Acrylate/ Dimethicone Methacrylate Copolymer	4.0	SeraSense® AW 61 /KCC Beauty	Film forming wax
Stearyl Dimethicone (and) Octadecene	4.5	SeraSoft® SW 70-A / KCC Beauty	Increases compatibility with other ingredients
Vinyl Dimethicone/Methicone Silsesquioxane Crosspolymer	0.5	SeraSnow® SP 15 / KCC Beauty	Absorbing oil
Dimethicone (and) Trimethylsiloxysilicate	5.0	SeraSense® RB 21 / KCC Beauty	Film former
C13-15 Alkane (and) Dimethicone / Vinyl Dimethicone Crosspolymer	10.0	SeraSilk® ELA 21 / KCC Beauty	Softness & Silkness & Non-greasy
Dimethicone(and) Drometrizole Dimethicone/Bis-Vinyl Dimethicone Crosspolymer	3.0	SeraSilk® EL 30 / KCC Beauty	SPF boosting elastomer
Cetyl Dimethicone	1.0	SeraSoft® SW 74 / KCC Beauty	SPF boosting liquid type wax
Vinyl Dimethicone	30.0	SeraSense® SF VD 100 / KCC Beauty	Emollient
Caprylic/Capric Triglyceride	To 100	Various	Emollient
Phase B			
Ethylhexyl Methoxycinnamate	5.0	Uvinul MC-80/BASF	UV defense
Caprylyl Methicone	15.0	SeraSense® SF CPM-A / KCC Beauty	Emollient
Tocopherol	q.s	Various	Antioxidant
Fragrance	q.s	Various	Fragrance

Method

- Melt the ingredients of Phase A above 80°C.
- Slowly add the ingredients of phase B with stirring until homogeneous at 80°C.
- Pour into container and freeze.