

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



Please contact us for more information.

KCC Beauty Headquarter
KCC Silicone Corporation,
344, Sapyeong-daero, Seocho-gu, Seoul, Korea
Tel : +82 2 3480 5811 **Fax :** +82 2 3480 5887
e-mail : silicone@kccworld.co.kr

www.kccsilicone.com

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.

Ver. 2023

KCC SILICONE

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

Skin Care

Hydrating Soothing Gel Serum	SS_25	04
Water POP Gel Cream	SS_26	05
Moisture Keeping Jelly Cream	SS_27	06
Perfumed Handy Gel	BS_06	07
Deep Clean Cleansing Balm	BS_07	08

Make up Care

Airy Sun Stick	MS_54	09
Soft Shining Sunscreen	MS_58	10
Shining Cover Primer	MS_52	11
Moisture Frappe Tone up Cream	MS_60	12
Natural Covering Cushion	MS_59	13
Shiny Coverage Foundation	MS_61	14
Melting Glow Lip Stick	ME_35	15
Natural Fitting Lip and Cheek	ME_53	16

Hair Care

Natural Hair Essence Oil	HS_27	17
Volume UP Curling Hair Lotion	HS_28	18
No Wash Treatment	HS_30	19

Hydrating Soothing Gel Serum SS_25

Hydrating Soothing Gel Serum is a solubilization type skin care gel. The formula feels light, but hydrating. And the after feel is very soft, silky and non-greasy. SeraSense® SF PCA is a dimethicone fluid in which the PCA group, a moisture factor, has been modified. So it gives strong hydration. PCA Dimethicone also lowers the surface tension of silicone and water. Therefore, emulsions can be made easily. SeraSilk® EM 602 is a silicone powder emulsion. It can give a powdery, silky, non-greasy feel.

Raw Material/INCI Name	% w/w	Trade name/Supplier	Function
Phase A			
Deionized Water	To 100		
Disodium EDTA	0.02	Various	Chelating Agent
Xanthan Gum	0.2	Various	Thickener Conditioning agent
Butylene Glycol	5.0	Various	Humactant
Glycerin	8.0	Various	Humactant
Phase B			
Ammonium Acryloyldimethylsulfate / VP Copolymer	0.45	Aristoflex AVC / Clariant	Thickener Suspending agent
Phase C			
PCA Dimethicone	2.0	SeraSense® SF PCA / KCC Beauty	Deep Moisturizing Helping to emulsify
Phase D			
PEG-60 Hydrogenated Castor Oil	q.S	Various	Solubilizing agent
Fragrance	q.S	Various	Fragrance
Pentylene Glycol	2.0	Various	Preservative Humactant
1,2-Hexanediol	2.0	Various	Preservative Humactant
Phase E			
Dimethicone / Vinyl Dimethicone Crosspolymer (and) C12-14 Sec-Pareth-7	3.0	SeraSilk® EM 602 / KCC Beauty	Smooth & Silky feel

Method

- Mix the ingredients of Phase A until homogenous.
- Add the ingredients of Phase B stirring until the powder dissolves.
- Slowly add the ingredients of Phase C stirring until homogenous (Emulsification process).
- In a separate vessel, mix the ingredients of Phase D, then slowly add to Phase A (Solubilizing process).
- Add the ingredients of Phase E until homogenous.

Water POP Gel Cream SS_26

Water Drop Gel Cream is a W/Si emulsion type water drop gel. It's light but has a good fit. SeraSol® PF 107 is a PEG-free W/Si emulsifier. SeraSilk® ELA 20 is a naturally derived oil blend elastomer. It gives a soft feeling and moisturizing effect. It also provides a matte finish. SeraSoft® SW 74 is a silicone wax with a low melting point. So it is liquid at room temperature. It is a liquid silicone wax that gives adhesion feel.

Raw Material/INCI Name	% w/w	Trade name/Supplier	Function
Phase A			
Polyglyceryl-3 Polydimethylsiloxyethyl Dimethicone	1.5	SeraSol® PF 107 / KCC Beauty	Emulsifier
Undecane (and) Tridecane (and) Dimethicone / Vinyl Dimethicone Crosspolymer	4.0	SeraSilk® ELA 20 / KCC Beauty	Naturally derived oil elastomer/ Smoothness
Cetyl Dimethicone	1.0	SeraSoft® SW 74 / KCC Beauty	Adhesion feel
Vinyl Dimethicone	5.0	SeraSense® SF VD 100 / KCC Beauty	Emollient
Dimethicone	7.0	SeraSense® SF 2 / KCC Beauty	Light after feel
Phase B			
Deionized Water	To 100		
Pentylene Glycol	2.0	Various	Preservative Humactant
1,2-Hexanediol	2.0	Various	Preservative Humactant
Glycerin	8.0	Various	Humactant
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 then slowly add to Phase A, stirring until homogenous.
- Add the ingredients of Phase C stirring until homogenous.

Moisture Keeping Jelly Cream SS_27

Moisture keeping jelly cream is an O/W type cream with a jelly-like texture that is very deep in moisture. SeraSoft® SW 75 is a water soluble silicone wax. Gives a deep moisturizing effect. SeraSense® SF DPTM is a phenyl modified silicone oil. Gives a strong shining effect. SeraSense® CF 50 is a carbinol fluid. It has a very luxurious feel, and it has a good rolling and adhesion feel.

Raw Material/INCI Name	% w/w	Trade name/Supplier	Function
Phase A			
Deionized Water	To 100		Vehicle
EDTA-2Na	0.02	Various	Chelating Agent
Glycerin	9.0	Various	Humactant
PEG-240 / HDI Copolymer Bis-Decyltetradeceth-20 Ether	1.5	Adekanol GT-700 / Asahi Denka	Gelling agent
Bis-PEG-18 Methyl Ether Dimethyl Silane	2.5	SeraSoft® SW 75 / KCC Beauty	Skin conditioning agent Humactant
Phase B			
Arachidyl Alcohol (and) Behenyl Alcohol (and) Arachidyl Glucoside	2.3	Montanov 202 / Seppic	Emulsifier
C14-22 Alcohols (and) C12-20 Alkyl Glucoside	1.0	Montanov L / Seppic	Emulsifier
Macadamia Nut Oil	1.0	Various	Emollient
Caprylic / Capric Triglycerides	3.0	Various	Emollient
Dimethicone	5.0	SeraSense® SF 10 / KCC Beauty	Emollient
Diphenylsiloxy Phenyl Trimethicone	3.0	SeraSense® SF DPTM / KCC Beauty	Deep shining effect
Bis-Hydroxyethoxypropyl Dimethicone	2.0	SeraSense® CF 50 / KCC Beauty	Adhesion feel Good rolling effect
Phase C			
Dimethicone	5.0	SeraSense® SF 2 / KCC Beauty	Light & Non-greasy after feel
Phase D			
Pentylene Glycol	2.0	Various	Preservative Humactant
1,2-Hexandiol	2.0	Various	Preservative Humactant
Fragrance	q.s	Various	Fragrance

Method

- Mix the ingredients of Phase A until homogenous.
- Increase the temperature of Phase A to 70°C.
- Melt Phase B at above 70°C.
- Put phase B into phase A and emulsify for 3 minutes at 70°C and above 3,500rpm.
- Add the ingredients of Phase C stirring for 1 minute.
- Cool down to 45°C, Add the ingredients of Phase D stirring until homogenous.
- Cool down to below 30°C.

Perfumed Handy Gel BS_06

After Endemic, there are many opportunities to meet other people. So body odor management is a very important factor. Perfumed Handy Gel is a gel texture perfume. It is very silky and smooth, and the feeling after formulation is very light and non-greasy. SeraSol® EL 99 is a hybrid silicone gel. It looks like a very soft gel, like an elastomer, but also has an emulsifying effect. SeraSilk® ELA 21 is a naturally derived oil gel blend that provides a soft, silky feel. SeraSilk® EL 65 feels light, moist and silky. SeraSnow® SP 15 is a resin coated powder. So it gives soft and adhesion feel.

Raw Material/INCI Name	% w/w	Trade name/Supplier	Function
Phase A			
Dimethicone (and) PEG-15 / Lauryl Dimethicone Crosspolymer	5.0	SeraSol® EL 99 / KCC Beauty	Hybrid Emulsifier & Elastomer
C13-15 Alkane (and) Dimethicone / Viny Dimethicone Crosspolymer	10.0	SeraSilk® ELA 21 / KCC Beauty	Naturally derived oil elastomer / Smooth & Silky
Dimethicone (and) Dimethicone / Vinyl Dimethicone Crosspolymer	55.0	SeraSilk® EL 65 / KCC Beauty	Moist & light & Silky feel
Vinyl Dimethicone / Methicone Silsesquioxane Crosspolymer	0.2	SeraSnow® SP 15 / KCC Beauty	Adhesion feel Soft touch
Dimethicone	To 100	SeraSense® SF 1.5 / KCC Beauty	Light & Non-greasy after feel
Tocopheryl Acetate	q.s	Various	Antioxidant
Fragrance	5.0	Various	Fragrance
Phase B			
Deionized Water	2.0		
Phase C			
Pearl	q.s	Various	Pearl

Method

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

Deep Clean Cleansing Balm BS_07

Deep Clean Cleansing Balm is a balm-type cleansing remover. Many color cosmetics are made with silicone ingredients. Silicone ingredients are good compatible with the same silicone. This cleansing remover contains a lot of silicone. So this cleansing balm can easily remove deep makeup. SeraSoft® SW 74 is a silicone wax with a low melting point. It is a liquid silicone wax that provides adhesion feel. SeraSoft® SW 70 increases compatibility between organic waxes or oils and silicones. SeraSense® GB 36 is a high molecular dimethicone that gives a long rolling effect. A long rolling time is enough to remove makeup.

Raw Material/INCI Name	% w/w	Trade name/Supplier	Function
Phase A			
Dimethicone	To 100	SeraSense® SF 10 / KCC Beauty	Solvent_ Emollient
Cetyl Dimethicone	6.0	SeraSoft® SW 74 / KCC Beauty	Emollient
Stearyl Dimethicone (and) Octadecene	5.0	SeraSoft® SW 70 / KCC Beauty	Increase compatibility Between organic wax and Silicone
Dimethicone	3.0	SeraSense® GB 36 / KCC Beauty	Long rolling effect
Synthetic Wax	5.2	Sasolwax C80 / SASOL	Hardness builder
Laureth-4	18.0	Various	Emulsifier
Triethylhexanoin	20.0	Various	Emollient
Phase B			
Tocopheryl Acetate	q.s	Various	Antioxidant
Fragrance	q.s	Various	Fragrance
Color	q.s	Various	Color

Method

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

Airy Sun Stick MS_54

This Airy Sun Stick is hard bar type facial sun stick. This formulation gives outstanding silky and light feels. SeraSense® AW 61 is an acrylate wax. SeraSense® AW 61 and ACA 10 have film forming effect. SeraSilk® ELA 20 and EL 10 are elastomer, provides silky and smooth feels.

Raw Material/INCI Name	% w/w	Trade name/Supplier	Function
Phase A			
Acrylates / Stearyl Acrylate / Dimethicone Methacrylate Copolymer	3.0	SeraSense® AW 61 / KCC Beauty	Film former
Undecane (and) Tridecane (and) Acrylates / Dimethicone Copolymer	3.0	SeraSense® ACA 10 / KCC Beauty	Film former
Undecane (and) Tridecane (and) Dimethicone / Viny Dimethicone Crosspolymer	19.0	SeraSilk® ELA 20 / KCC Beauty	Elastomer Smoothness
Dimethicone (and) Dimethicone Crosspolymer	19.0	SeraSilk® EL 10 / KCC Beauty	Elastomer Smoothness
Dimethicone / Vinyl Dimethicone Crosspolymer	0.2	SeraSnow® SP 13 / KCC Beauty	Elastomer powder Absorb oil
Phenyl Trimethicone	8.5	SeraSense® SF PTM / KCC Beauty	Emollient Shining effect
Ethylhexylmethoxy Cinnamate	7.0	Uvinul MC-80 / BASF	UVB Absorber
Ethylhexyl Salicylate	4.5	PARSOL® EHS / DSM	UVB Absorber
Synthetic Wax	5.5	Sasolwax C80 / SASOL	Viscosity increasing agent
Cetearyl Alcohol	1.0	Lanette O / BASF	Viscosity increasing agent
Ceresin Wax	2.0	Various	Viscosity increasing agent
Caprylic / Capric Triglyceride	To 100	Various	Emollient
Phase B			
Tocopheryl Acetate	0.3	Various	Antioxidant
Phase C			
Fragrance	q.s	Various	Fragrance

Method

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

Soft Shining Sunscreen MS_58

This sunscreen formulation use SeraSense® SF DPTM. 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. SeraSol® PF 105 is a polyglyceryl modified emulsifier for W/O or W/Si type cosmetics. SeraSol® PF 106 works as dispersant in the formulations. This is also a polyglyceryl modified silicone product, too.

Raw Material/INCI Name	% w/w	Trade name/Supplier	Function
Phase A			
C9-12 Alknae	8.0	Harmonie™ Soft Fluid / Momentive	Emollient
Diphenylsiloxy Phenyl Trimethicone	5.0	SeraSense® SF DPTM / KCC Beauty	Emollient
Caprylyl Methicone	5.0	SeraSense® SF CPM-A / KCC Beauty	Emollient
Bis-Hydroxyethoxypropyl Dimethicone	5.0	SeraSense® CF 50 / KCC Beauty	Emollient
Cetyl Dimethicone	1.0	SeraSoft® SW 74 / KCC Beauty	Emollient, SPF Boosting
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
Sorbitan Sesquioleate	0.5	Various	Surfactant
Disteardimonium Hectorite	0.6	Various	Suspending agent
Ethylhexylmethoxy Cinnamate	7.0	Uvinul MC-80 / BASF	UVB Absorber
Titanium Dioxide (and) Aluminum Hydroxide (and) Stearic Acid	5.0	MT-100TV / TAYCA	UV Absorber
Zinc Oxide (and) Hydrogen Dimethicone	15.0	MZY-303S / TAYCA	UV Absorber
Phase B			
Deionized Water	To 100		Vehicle
Glycerin	5.0	Various	Humactant
NaCl	0.8	Various	Buffer
Phase C			
Phenoxyethanol	0.4	Various	Preservative
Fragrance	q.s		Fragrance

Typical Properties

- **Appearance** : White emulsion
- **Viscosity @ 25°C** : 15,000 – 25,000cP (Brookfield LVDV II, LV-4, 6rpm)
- **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.

Shining Cover Primer MS_52

This primer has good wrinkle and pore cover effect. SeraSense® SF PTM has a high refractive index leaving a dewy glow. SeraSense® AD 54 is an silicone acrylate dispersant. It has good compatibility and stability with pigments. SeraSilk® ELA 21 work well with all kinds of oils including natural and silicone oils. It gives light non-greasy and silky skin feels.

Raw Material/INCI Name	% w/w	Trade name/Supplier	Function
Phase A			
Phenyl Trimethicone	To 100	SeraSense® SF PTM / KCC Beauty	Emollient
C13-15 Alkane (and) Dimethicone / Viny Dimethicone Crosspolymer	71.0	SeraSilk® ELA 21 / KCC Beauty	Instant Wrinkle Cover Soft Focus Effect Soft touch feeling
Methyl Trimethicone (and) Acrylates / Dimethicone Copolymer	0.5	SeraSense® AD 54 / KCC Beauty	Dispersant
Phase B			
Mica (and) Titanium Dioxide	3.0	Flamenco Red / Engelhard Corp.	Pigment
Fragrance	q.s	Various	Fragrance

Typical Properties

- **Appearance** : Pearly white cream
- **Viscosity @ 25°C** : 40,000 – 60,000cP (Brookfield LVDV II, LV-4, 6rpm)
- **pH @ 25°C** : n/a

Method

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

Moisture Frappe Tone up Cream MS_60

This formulation gives a good moisture retention performance with excellent smooth feel. SeraSol® EL 99 is an emulsifying elastomer, making it extremely stable with a soft, powdery after-feel. 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			
Dimethicone (and) PEG-15 / Lauryl Dimethicone Crosspolymer	3.0	SeraSol® EL 99 / KCC Beauty	Emulsifier
Diphenylsiloxy Phenyl Trimethicone	11.0	SeraSense® DPTM / KCC Beauty	Solvent_Emollient
Ethylhexylmethoxy Cinnamate	7.0	Uvinul MC-80 / BASF	UVB Absorber
Titanium dioxide (and) Iron Oxide (and) Mica (and) Polymethyl Methacrylate	0.8	BB base / EnTop	Pigment
Titanium Dioxide (and) Aluminum Hydroxide (and) Stearic Acid	0.4	MT-100TV / TAYCA	Pigment
Phase B			
Deionized Water	To 100		Vehicle
Glycerin	15.0	Various	Humactant
Sodium Chloride	1.2	Various	Buffer
Phase C			
Phenoxyethanol	0.3	Various	Preservative
Fragrance	q.s		Fragrance

Typical Properties

- **Appearance** : Light beige emulsion
- **Viscosity @ 25°C** : 50,000cP ↑ (Brookfield LVDV II, LV-4, 6rpm)
- **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.

Natural Covering Cushion MS_59

This cushion pact has natural coverage with good emolliency feel. SeraSense® SF DPTM helps provide a good shining effect with tremendous compatibility in general oil phase ingredients. It has excellent gloss durability. SeraSilk® ELA 21 work well with all kinds of oils including natural and silicone oils. It gives light non-greasy and silky skin feels. SeraSol® PF 105 is a polyglyceryl modified emulsifier for W/O or W/Si type cosmetics. SeraSol® PF 106 works as dispersant in the formulations. This is also a polyglyceryl modified silicone product. SeraSense® SF PCA is PCA dimethicone that makes improving sensorial properties in formulations.

Raw Material/INCI Name	% w/w	Trade name/Supplier	Function
Phase A			
Diphenylsiloxy Phenyl Trimethicone	8.0	SeraSense® SF DPTM / KCC Beauty	Emollient
Dimethicone	10.0	SeraSense® SF 6 / KCC Beauty	Emollient
PCA Dimethicone	2.0	SeraSense® SF PCA / KCC Beauty	Emollient
Dimethicone (and) Trimethylsiloxy silicate	2.0	SeraSense® SF RB 23 / KCC Beauty	Film former
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
C13-15 Alkane (and) Dimethicone / Vinyl Dimethicone Crosspolymer	10.0	SeraSilk® ELA 21 / KCC Beauty	Elastomer
Isononyl Isononanoate	2.0	KAK 99 / Kokyu Alcohol	Skin Conditioning agent
Ethylhexylmethoxy Cinnamate	7.0	Uvinul MC-80 / BASF	UVB Absorber
Titanium dioxide (and) Iron Oxide (and) Mica (and) Polymethyl Methacrylate	10.0	BB Base / EnTop	Pigment
Titanium Dioxide (and) Aluminum Hydroxide (and) Stearic Acid	5.0	MT-100TV / TAYCA	UV Absorber
Phase B			
Deionized Water	To 100		Vehicle
Sodium Chloride	0.8	Various	Buffer
Phase C			
Fragrance	q.s		Fragrance

Typical Properties

- **Appearance** : Beige low viscous emulsion
- **Viscosity @ 25°C** : 9,000 - 14,000cP (Brookfield LVDV II, LV-4, 6rpm)
- **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.
- Before putting the bulk in cushion pact container, stir or shake the bulk well.

Shiny Coverage Foundation MS_61

This Foundation has excellent soft feels and shiny covering effect. SeraSense® SF DPTM helps provide a good shining effect with tremendous compatibility in general oil phase ingredients. It has excellent gloss durability. SeraSol® PF 105 and 107 are polyglyceryl modified emulsifier for W/O or W/Si type cosmetics. 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	8.0	SeraSense® SF DPTM / KCC Beauty	Emollient
Phenyl Trimethicone	4.0	SeraSense® SF PTM / KCC Beauty	Emollient
Cetyl Dimethicone	1.0	SeraSoft® SW 74 / KCC Beauty	Emollient SPF boosting
Lauryl Polyglyceryl-3 Polydimethylsiloxyethyl Dimethicone	3.8	SeraSol® PF 105 / KCC Beauty	Emulsifier
Polyglyceryl-3 Polydimethylsiloxyethyl Dimethicone	2.0	SeraSol® PF 107 / KCC Beauty	Emulsifier
Dimethicone (and) Trimethylsiloxy silicate	5.0	SeraSense® RB 21 / KCC Beauty	Film former
Acrylates / Dimethicone Copolymer (and) Dimethicone	3.0	SeraSense® AD 52 / KCC Beauty	Dispersant
1,2-Hexanediol	2.0	Various	Preservative
Ethylhexylmethoxy Cinnamate	7.0	Uvinul MC-80 / BASF	UVB Absorber
Titanium Dioxide (and) Iron Oxide (and) Mica (and) Polymethyl Methacrylate	12.0	BB Base / EnTop	Pigment
Cyclopentasiloxane (and) Distearidimonium Hectorite (and) Propylene Carbonate	3.0	Bentone gel® VS-5PC V HV / Elementis Specialty	Viscosity increasing agent
Phase B			
Deionized Water	To 100		Vehicle
Butylene Glycol	3.0	Various	Humectant
Sodium Chloride	0.8	Various	Buffer
Phase C			
Fragrance	q.s	Various	Fragrance

Typical Properties

- **Appearance** : Beige, viscous emulsion
- **Viscosity @ 25°C** : 15,000 ~ 30,000cP (Brookfield LVDV II, LV-4, 6rpm)
- **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.

Melting Glow Lip Stick ME_35

Melting Glow Lipstick is a product that moisturizes lips for has a rich gloss and long lasting effect. SeraSol® PF 105 has the effect of increasing the compatibility with organic oils to increase the stability and dispersibility of the formulation. And, SeraSense® AW61 reduces stickiness and enhances glossiness.

Raw Material/INCI Name	% w/w	Trade name/Supplier	Function
Phase A			
Lauryl Polyglyceryl-3 Polydimethylsiloxyethyl Dimethicone	3.0	SeraSol® PF 105 / KCC Beauty	Dispersant
Phenyl Trimethicone	7.0	SeraSense® SF PTM / KCC Beauty	Improving Compatibility, Shining Effect
C12-15 Alkylbenzoate	To 100	Finsolv TN-O / INNOSPEC Chemical	Emollient
Hydrogenated Polyisobutene	18.0	Various	Emollient
Diisostearyl Malate	24.0	Cosmol 222 / Wha Costech	Emollient
Octyldodecanol	15.0	Eutanol G / BASF	Emollient
1,2-Hexanediol	1.0	Various	Preservative
Polyglyceryl-2 Triisostearate (and) CI 15850	1.0	Red#6 (4:6) PGI Base / Derma Medion	Colorant
Diisostearyl Malate (and) CI 15850 (and) Polyglyceryl-2 Diisostearate	4.0	Red#7 (3:7) DMPD Base / Derma Medion	Colorant
Phase B			
Acrylates / Stearyl Acrylate / Dimethicone Methacrylate Copolymer	3.0	SeraSense® AW 61 / KCC Beauty	Reduced stickiness, Shining Effect
Microcrystalline Wax	6.5	Various	Emollient, Viscosity Increasing agents
Polyethylene	8.0	Performalene PL	Viscosity Increasing agents

Method

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

Natural Fitting Lip and Cheek ME_53

This Formulation has a natural fitting feeling. It can be used as a lip tint, and if you use a small amount on your cheeks, you can realize a rosy cheek touch. SeraSol® PF 105 and 107 are polyglyceryl modified emulsifier for W/O or W/Si type cosmetics. SeraSilk® ELA 21 and EL 86 work well with all kinds of oils including natural and silicone oils. It gives light non-greasy and silky skin feels.

Raw Material/INCI Name	% w/w	Trade name/Supplier	Function
Phase A			
Lauryl Polyglyceryl-3 Polydimethylsiloxyethyl Dimethicone	4.0	SeraSol® PF 105 / KCC Beauty	Emulsifier
Polyglyceryl-3 Polydimethylsiloxyethyl Dimethicone	3.0	SeraSol® PF 107 / KCC Beauty	Emulsifier
Dimethicone	8.0	SeraSense® SF 2 / KCC Beauty	Emollient
C13-15 Alkane (and) Dimethicone / Vinyl Dimethicone Crosspolymer	10.0	SeraSilk® ELA 21 / KCC Beauty	Soft Feel, Viscosity increasing agents
Methyl Trimethicone (and) Dimethicone / Vinyl Dimethicone Crosspolymer	10.0	SeraSilk® EL 86 / KCC Beauty	Soft Feel, Viscosity increasing agents
Isododecane (and) Acrylates / Dimethicone Copolymer	3.0	SeraSense® AC 19 / KCC Beauty	Fixative, Film forming
C9-12 Alkane	5.0	Harmonie Soft Fluid / Momentive Performance Materials	Emollient
Polyglyceryl-2 Triisostearate (and) CI 19140	0.5	Yellow#5 (4:6) PGI Base / Derma Medion	Colorant
Diisostearyl Malate (and) CI 15850 (and) Polyglyceryl-2 Diisostearate	3.5	Red#7 (3:7) DMPD Base / Derma Medion	Colorant
1,2-Hexanediol	1.0	Various	Preservative
Phase B			
Glycerin	2.0		Humactant
1,3 Butylene Glycol	3.0	Various	Humactant
Deionized Water	To 100	Various	

Method

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

Natural Hair Essence Oil HS_27

The natural oil serum is daily light hair oil serum. SeraSense® GBA 85 is dimethiconol gum blended with natural derived oil. It gives high conditioning effect to hair. Also Phenyl trimethicone has shining effect. And SeraSense® SA 30 is amino silicone, performs damage care.

Raw Material/INCI Name	% w/w	Trade name/Supplier	Function
Phase A			
Cyclopentasiloxane	To 100	SeraSense® SF CM5 / KCC Beauty	Solvent_Emollient
C13-15 Alkane (and) Dimethiconol	45.0	SeraSense® GBA 85 / KCC Beauty	Naturally derived oil gum blend / Conditioning effect
Amodimethicone	1.0	SeraSense® SA 30 / KCC Beauty	Damage care
Phenyl Trimethicone	5.0	SeraSense® SF PTM / KCC Beauty	Shining Effect
Phase B			
Tocopheryl Acetate	q.s	Various	Antioxidant
Fragrance	q.s	Various	Fragrance

Method

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

Volume UP Curling Hair Lotion HS_28

The volume up curling lotion is cream type hair essence. It gives retaining curl and volume up effect to perm or curly hair. SeraSense® GBA 86 is dimethiconol gum blended with natural derived oil. It gives high conditioning effect. And SeraSense® AC 19 is film former, performs setting and curling effect for hair.

Raw Material/INCI Name	% w/w	Trade name/Supplier	Function
Phase A			
Disodium EDTA	0.02	Various	Chelating Agent
Glycerin	5.0	Various	Humectant
Polyvinyl Alcohol	0.5	PVA 217	Film former
Ammonium Acryloyldimethyltaurate / VP Copolymer	0.25	Aristoflex AVC / Clariant	Thickener
D.I Water	To 100		
Phase B			
Cetearyl Alcohol	1.2	Lanette O / BASF	Conditioning Fat
Glyceryl Stearate	0.5	KM-105 / KWANGIL	Emulsifier
Glyceryl Stearate & PEG-100 Stearate	1.5	Rheodol MS-165V / KAO	Emulsifier
Dimethicone	5.0	SeraSense® SF 5 / KCC Beauty	Emollient
Phase C			
Undecane (and) Tridecane (and) Dimethiconol	5.0	SeraSense® GBA 86 / KCC Beauty	Naturally derived oil gum blend / Conditioning effect
Amodimethicone	0.5	SeraSense® SA 30 / KCC Beauty	Damage care
Cyclopentasiloxane	5.0	SeraSense® SF CM 5 / KCC Beauty	Light after feel
Isododecane (and) Acrylates / Dimethicone Copolymer	1.0	SeraSense® AC 19 / KCC Beauty	Film former Curl retaining effect
Phase D			
Pentylene Glycol	2.0	Various	Preservative Humactant
1,2-Hexandiol	2.0	Various	Preservative Humactant
Fragrance	q.s	Various	Fragrance

Method

- Mix the ingredients of Phase A until homogenous at 70°C.
- In a separate vessel, mix the ingredients of Phase B at above 70°C, then slowly add to Phase A at 70°C.
- Homo mixer above 3,500rpm for 3 minutes at 70°C.
- In a separate vessel, mix the ingredients of Phase C, then add to Phase A+B and then mixing for 1 min.
- Cool down to 45°C and add the Phase D stirring until homogenous.
- Cool down to 30°C.

No Wash Treatment HS_30

No Wash Treatment is a spray type conditioner. There is no need to rinse after using this. After shampooing, spray the No-Wash Treatment on your hair to detangle and make it soft. SeraSense® SF 1 is a highly volatile silicone oil, so it is very light and non-greasy after use. SeraSense® SF DPTM is a phenyl modified silicone oil. Gives hair a strong shining effect.

Raw Material/INCI Name	% w/w	Trade name/Supplier	Function
Phase A			
Cyclopentasiloxane	To 100	SeraSense® SF CM 5 / KCC Beauty	Solvent_Quick volatile fluid
Trisiloxane	20.0	SeraSense® SF 1 / KCC Beauty	Quick volatile fluid Light & Non-greasy
Dimethicone	8.0	SeraSense® SF 6 / KCC Beauty	Emollient Conditioning effect
Diphenylsiloxy Phenyl Trimethicone	3.0	SeraSense® SF DPTM / KCC Beauty	Deep shining effect
Phase B			
Tocopheryl Acetate	q.s	Various	Antioxidant
Fragrance	q.s	Various	Fragrance
Ethanol	8.0	Various	Quick volatile fluid

Method

- Mix the ingredients of Phase A until homogenous.
- Slowly add the ingredients of Phase B stirring until homogenous.