

Daily Sun Protection Cream (SPF30, PA++)

(SUJ13F_008A)

This light-feeling, waterproof sunscreen can also be used as a make-up base. SeraSense® SF CM5 (Cyclopentasiloxane) allows fast absorption and a cool feeling. SeraSense® SF 6 (Dimethicone) aids spreading and leaves the skin feeling moisturised. SeraSilk® EL 61 (Dimethicone (and) Dimethicone/Vinyl Dimethicone Crosspolymer) gives the skin a silky smooth feel.

Raw Material/INCI Name	% w/w	Trade name/Supplier	Function
Phase A			
Cyclopentasiloxane	10.00	SeraSense® SF CM5/KCC Beauty	Cool Feeling/Fast Absorption
Phenyl Trimethicone	3.00	SeraSense® SF PTM/KCC Beauty	Brightening Effect
Dimethicone	4.00	SeraSense® SF 6/KCC Beauty	Aids Spreading
Disteardimonium Hectorite	1.00	Bentone 38V/Elementis Specialities	Thickener
Ethylhexylmethoxycinnamate	7.00	Uvinul MC-80/BASF	UVB Absorber
Ethylhexyl Salicylate	4.50	Parsol EHS/DSM	UVB Absorber
Pigment Base	1.00	Various	Pigment
Mica (and) Titanium Dioxide	1.50	Flamenco Red 420C/BASF	Pigment
Titanium Dioxide (and) Aluminium Hydroxide (and) Stearic Acid (and) Cyclopentasiloxane (and) PEG-10 Dimethicone	5.00	ChoiceTitan 40/Choice Trade	UV Absorber
PEG-10 Dimethicone	3.00	SeraSol® SC 86A/KCC Beauty	W/O Emulsifier
Dimethicone (and) Dimethicone/Vinyl Dimethicone Crosspolymer	2.00	SeraSilk EL® 61/KCC Beauty	Silky Feel
Cetyl Ethylhexanoate	4.00	CEH/Kokyu Alcohol	Emollient
Phase B			
Aqua (Water)	To 100	-	Vehicle
Dipropylene Glycol	5.00	Various	Humectant
Portulaca Oleracea (Purselane) Extract	3.00	Various	Skin Conditioning
Sodium Chloride	1.00	Various	Emulsion Stabiliser
Phase C			
Phenoxyethanol	0.40	Various	Preservative
Caprylhydroxamic Acid (and) Caprylyl Glycol (and) Glycerin	0.40	Spectrastat/Inolex	Preservative
Parfum (Fragrance)	q.s.	-	Fragrance

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Typical Properties

Appearance:	White, viscous cream
Viscosity @ 25°C:	>25000cP (Brookfield LVDV II, LV4, 6rpm)
pH @ 25°C:	n/a

Method

Mix the ingredients of Phase A until homogenous.

In a separate vessel, mix the ingredients of Phase B until homogenous. Add Phase B to A with stirring.

Slowly add Phase C to A+B, with stirring.

Check viscosity.



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Please note that the above formulation is only intended as a guide. It is not a commercial formulation and has not been tested as such. The formulation 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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