



Anti-Pollution Foundation (MS_07)

This foundation has good film-forming ability and a pleasant skin feel. **SeraSense® AC15** and **SeraSense® RB 23** are soft and flexible film-formers which give a water-resistant and wear-resistant quality. **SeraSnow® SP 13** gives light, non-greasy skin feel and coverage. **Vida-Care SP-1** provides some UV-B protection. This formula has the potential to provide UV protection equivalent to SPF 50+, PA+++.

Raw Material/INCI Name	% w/w	Trade name/Supplier	Function
Phase A			
Dimethicone	7.00	SeraSense® SF 6/KCC Beauty	Solvent/Emollient
Cyclopentasiloxane	7.00	SeraSense® SF CM5/KCC Beauty	Solvent/Emollient
Acrylates/Dimethicone Copolymer (and) Cyclopentasiloxane	5.00	SeraSense® AC15/KCC Beauty	Fixative
Dimethicone (and) Trimethylsiloxysilicate	3.00	SeraSense® RB 23/KCC Beauty	Fixative
Cetyl PEG/PPG-10/1 Dimethicone	3.00	SeraSol® SC 83-A/KCC Beauty	W/O Emulsifier
PEG-10 Dimethicone	2.00	SeraSol® SC 86A/KCC Beauty	W/O Emulsifier
Stearyl Dimethicone (and) Octadecene	1.00	SeraSoft® SW 70-A/KCC Beauty	Rheology Modifier
Dimethicone/Vinyl Dimethicone Crosspolymer	1.00	SeraSnow® SP 13/KCC Beauty	Coverage
Ethylhexyl Methoxycinnamate	7.00	Vida-Care SP-1/KCC Basildon	UV-B Absorber
Cyclopentasiloxane (and) Distearidimonium Hectorite (and) Propylene Carbonate	3.00	Bentone Gel® VS-5PC V HV/Elementis Speciality	Viscosity Increasing Agent
Titanium Dioxide	11.00	TiO2 060 AS/K.S.Pearl	Pigment
Iron Oxide Yellow	0.80	Iron Oxide Yellow AS/K.S.Pearl	Pigment
Iron Oxide Red	0.20	Iron Oxide Red AS/K.S.Pearl	Pigment
Iron Oxide Black	0.10	Iron Oxide Black AS/K.S.Pearl	Pigment
Phase B			
Aqua (Water)	To 100	-	Vehicle
Glycerin	3.00	Various	Humectant
Butylene Glycol	3.00	Various	Humectant
Sodium Chloride	1.00	Various	Buffer
Phase C			
Phenoxyethanol	0.30	Various	Preservative
Caprylhydroxamic Acid (and) Caprylyl Glycol (and) Glycerin	0.30	Spectrastat/Azelis (Inolex)	Preservative
Parfum (Fragrance)	q.s.	-	Fragrance

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Typical Properties

Appearance:	Beige, viscous emulsion
Viscosity @ 25°C:	18,000 - 22,000cP (Brookfield LVDV II, LV-4, 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. Slowly add Phase B to A with stirring.

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

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.