

Guide Formulation

Personal Care

Clear Gel Cream (SJ14M_02)

This clear gel cream is highly moisturising, and leaves the skin supple. SeraSol® SC 84 (Cyclopentasiloxane (and) PEG/PPG-18/18 Dimethicone) is a W/O emulsifier which helps to create a clear product. The blend of silicones gives a soft feel and spreadability to the cream.

Raw Material/INCI Name	% w/w	Trade name/Supplier	Function
Phase A			
Cyclopentasiloxane (and) PEG/PPG-18/18 Dimethicone	10.00	SeraSol® SC 84/KCC Beauty	W/O Emulsifier
Cyclopentasiloxane	6.00	SeraSense® SF CM5/KCC Beauty	Fast Absorption
Dimethicone	2.00	SeraSense® SF 6/KCC Beauty	Moisturising
Phenyl Trimethicone	2.00	SeraSense® SF PTM/KCC Beauty	Moisturising/Film Forming
Phase B			
Aqua (Water)	To 100	-	Vehicle
Glycerin	38.00	Various	Humectant
Sodium Chloride	1.50	Various	Buffer
Phase C			
Glycerin	5.00	Various	Humectant
Phase D			
Caprylhydroxamic Acid (and) Carpylyl Glycol (and) Glycerin	0.30	Spectrastat/Inolex	Preservative
PEG-60 Hydrogenated Castor Oil	0.05	HCO-60/Nikko	Solubiliser
Parfum (Fragrance)	0.05	Mango Blast Fragrance/Givaudan	Fragrance

Typical Properties

Appearance:	Clear, viscous gel-cream
Viscosity @ 25°C:	30000 - 40000cP (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. Slowly add Phase B to Phase A.

Add Phase C.

Add a separate vessel, premix Phase D. Add to the main batch and stir.



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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.