

# Long Lasting Hand Cream (BJ13F\_002)

SeraSense® SF CM56 (Cyclopentasiloxane (and) Cyclohexasiloxane) within this hand cream gives a cooling effect and allows fast absorption. The silicone blend also helps to give water repellency and a smooth feel. SeraSense® GB 16 (Dimethicone (and) Dimethiconol) leave the hands with long lasting moisture.

Raw Material/INCI Name	% w/w	Trade name/Supplier	Function
<b>Phase A</b>			
Aqua (Water)	To 100	-	Vehicle
Disodium EDTA	0.02	Various	Chelating Agent
Allantoin	0.10	Various	Skin Protecting
Glycerin	10.00	Various	Humectant
Beta-Glucan	2.00	Various (0.4% Solution)	Skin Conditioning
<b>Phase B</b>			
Joboba Esters	3.00	Floraesters 30/Floratch	Emollient
C14-22 Alcohols (and) C12-20 Alkyl Glucoside	3.00	Montanov L/Seppic	O/W Emulsifier
Cetearyl Alcohol	1.00	Lanette O/Cognis	Bodifying Fat
Tocopheryl Acetate	0.10	Various	Antioxidant
<b>Phase C</b>			
Dimethicone (and) Dimethiconol	1.20	SeraSense® GB 16/KCC Beauty	Long Lasting Moisture
Dimethicone	1.00	SeraSense® SF 100/KCC Beauty	Aids Spreading/Moisturising
Dimethicone	4.00	SeraSense® SF 6/KCC Beauty	Aids Spreading/Moisturising
Cyclopentasiloxane (and) Cyclohexasiloxane	4.00	SeraSense® SF CM56/KCC Beauty	Cooling Effect/Fast Absorbing
<b>Phase D</b>			
Polyacrylate-13 (and) Polyisobutene (and) Polysorbate 20	2.00	Sepiplus 400/Seppic	Thickener
Phenoxyethanol	0.30	Various	Preservative
Parfum (Fragrance)	q.s.	-	
<b>Typical Properties</b>			
Appearance:	White, viscous cream		
Viscosity @ 25°C:	>500000cP (Brookfield LVDV II, LV-4, 1rpm)		
pH @ 25°C:	5.2 - 6.2		

## Method

Add the water to the vessel and begin heating to 80-85°C. Add the rest of the ingredients in Phase A.

In a separate vessel, mix the ingredients of Phase B and heat to 80-85°C.

Add Phase C to Phase B and mix until homogenous, maintaining temperature.

Add Phase B+C to Phase A and homogenise for 5 minutes until smooth.

Cool to <50°C and add Phase D. Homogenise for 3 minutes.

Cool to room temperature and check pH and 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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