

Anti-Age Spot Hand Cream (HC-1)

This Anti-Age Spot Hand Cream is a light, non-greasy formulation. SeraSense® SF PTM (Phenyl Trimethicone) provides emolliency and water repellency, whereas SeraSense® GB 11 (Cyclopentasiloxane (and) Dimethicone) gives a lovely silky soft, non-tacky skin feel.

Raw Material/INCI Name	% w/w	Trade name/Supplier	Function
Water	To 100	-	Vehicle
Disodium EDTA	0.10	Disodium EDTA	Chelating Agent
Glycerin	5.00	Surfac G995V/Surfachem	Humectant
Acrylates/C10-30 Alkyl Acrylate Crosspolymer	0.19	Carbopol Ultrez 21/Lubrizol	Thickener
Stearic Acid	4.00	Surfac Stearic Acid/Surfachem	Bodifying Fat
Paraffinum Liquidum	4.00	Mineral Oil/Azelis	Emollient
Cetyl Alcohol	1.00	Lanette 16/Cognis	Bodifying Fat
Glyceryl Stearate SE	1.00	Cutina GMS SE/Cognis	Emulsifier
Triethanolamine	0.50	Triethanolamine	pH Adjuster
Phenyl Trimethicone	1.00	SeraSense® SF PTM/KCC Beauty	Emollient
Cyclopentasiloxane (and) Dimethicone	2.00	SeraSense® GB 11/KCC Beauty	Skin Feel
Lepidium Sativum Sprout Extract (and) Lecithin (and) Glycerin (and) Phenoxyethanol (and) Aqua	2.00	Sulforawhite/ProTec Ingredia	Skin Whitening
Parfum	0.05	CPL Aromas	Fragrance
Phenoxyethanol (and) Methylisothiazolinone	0.60	Neolone PE/Dow	Preservative

Typical Properties

Appearance:	Thick, white emulsion
Viscosity @ 25°C:	>160000cPs (Brookfield RVT, Sp7, 2.5rpm)
pH @ 25°C:	6.0-7.0

Method

Add water, glycerin, EDTA and Carbopol to the main vessel, leave to swell for 5 – 10 minutes.

In a separate vessel add Stearic Acid, Mineral Oil, Cetyl Alcohol and GMS. Heat to 70 – 75°C with stirring. Once temperature has been reached, homogenise for 5 minutes to ensure the titanium dioxide and pigments are dispersed. Heat back to 70 – 75°C if required.

Once the Carbopol is swollen, homogenise until smooth. Heat to 70 – 75°C.

Basildon Chemical Co. Ltd, Kimber Road, Abingdon, Oxfordshire, OX14 1RZ, UK

KCC Corporation, 1301-4, Seocho-Dong, Seocho-Gu, 137-703, Seoul, Korea

☎ +44 (0)1235 526677 | ✉ info@kcc-beauty.com | 🌐 www.kcc-beauty.com

Add the oil phase to the water phase and homogenise for 2 minutes until white and uniform. Add the TEA and mix until smooth.

Remove from the homogeniser and begin to cool with stirring.

At around 50°C add the SeraSense® SF PTM and SeraSense® GB 11 and mix well.

At below 40°C add the Sulforawhite, preservative and fragrance and mix until uniform.

Check pH and adjust if necessary.



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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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