



Anti-Age Spot Hand Cream (HC-1)

This light, non-greasy formulation is thickened with **Vida-Care FD 21** which provides short-flow rheology. **SeraSense® SF PTM** provides emolliency and water repellency, whilst **SeraSense® GB 11** gives a silky, non-tacky skin feel.

| Raw Material/INCI Name | % w/w | Trade name/Supplier | Function |
|---|-------------|-------------------------------------|------------------|
| Water | To100 | - | Vehicle |
| Disodium EDTA | 0.10 | Disodium EDTA | Chelating Agent |
| Glycerin | 5.00 | Surfac G995V/Surfachem | Humectant |
| Acrylates/C10-30 Alkyl Acrylate Crosspolymer | 0.19 | Vida-Care FD21/KCC Basildon | 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 Vida-Care FD21 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 produce a smooth, white emulsion.

Add the TEA and mix until smooth.

Remove from the homogeniser and begin to cool with stirring.

At <50°C, add the SeraSense SF PTM and SeraSense GB 11.

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

Check the pH and adjust as required.

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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