



Formulation Reference: FM00225/A

A light, easy spreadable self-tan lotion. Containing light emollients and cooling ethanol. With **Texique HE50** to emulsify, thicken and stabilise.

Phase	INCI Ingredients	Function	% w/w	Trade Name
A	Aqua	Solvent	Up to 100 %	Deionised Water
	Citric Acid	pH Adjuster	0.01	Citric Acid Monohydrate ¹
	Glycerin	Humectant / Moisturising	3.00	Naissance Vegetable Glycerine No 806 ²
B	Cetearyl Alcohol	Wax	2.50	Lanette O ³
	Polyglyceryl-3 Methylglucose Distearate	Emulsifier	2.00	Tego Care 450 ⁴
	Undecane (and) Tridecane	Emollient	3.00	Cetiol Ultimate ³
	Caprylic/Capric Triglyceride	Emollient	5.00	Myritol 318 ³
	C13-15 Alkane	Emollient	5.00	Neossance Hemisqualane ⁵
C	Acrylates/acrylamide copolymer, C13-15 Alkane, Trideceth-7	Thickener/ Emulsifier	4.00	Texique HE50 ⁶
D	Aqua	Solvent	5.00	Deionised Water
	Dihydroxyacetone	Self Tan Active	2.00	110150 Dihydroxyacetone Extra Pure ⁷
E	Alcohol Denatured	Solvent	3.00	Denatured Ethanol
F	Phenoxyethanol	Preservative	1.00	Phenoxyethanol RCH ⁸
	Parfum	Fragrance	0.50	

Suppliers: ¹ Univar | ² Naissance UK | ³ BASF | ⁴ Evonik | ⁵ Aprinnova | ⁶ **Scott Bader** | ⁷ Merck | ⁸ Ashland |



Preparation procedure

1. Weigh out Phase A and mix until dissolved. Start heating to 75-80°C.
2. Weigh out Phase B and heat to 75-80°C.
3. At temperature, add Phase B into Phase A whilst homogenising. Homogenise until uniform.
4. Cool to below 40°C with slow mixing.
5. Add Phase C and mix until uniform.
6. Pre-mix Phase D and add to the main batch at below 30°C.
7. Add Phase E to the main batch at below 30°C and mix until smooth.
8. Add Phase F whilst mixing and mix until smooth and uniform.
9. Adjust pH to circa 5.00 – 5.50 if necessary.

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