



# Self-Tanning Mousse

SC-1071

This self-tanner is a cold process, clear solution. It has a better after feel when comparing to the marketed product, Jergens Natural Glow Instant Sun Sunless Tanning Mousse which uses Decyl Glucoside as the surfactant.

## ClariSilk™

Cationic conditioning agent that provides soft and non-tacky after feel.

## Lexquat® C

Cationic conditioner used in both hair conditioners and skin cleansers to provide good combability and a silky skin feel.

Phase	Trade Name	Ingredient (INCI)	(w/w)%
	Deionized Water		89.0
	Dihydroxyacetone (DHA) <sup>2</sup>		3.0
	ClariSilk <sup>1</sup>	Polyester-11	0.5
	Lexquat C-PF <sup>1</sup>	Cocamidopropyl PG-Dimonium Chloride	0.5
	Lexaine C <sup>1</sup>	Cocamidopropyl Betaine	0.5
	Glycerin		5.0
	Spectrastat BHL <sup>1</sup>	Caprylhydroxamic Acid (and) 1,2-Hexanediol (and) Butylene Glycol	1.5
	Citric Acid (25% Solution)		q.s.
<sup>1</sup> INOLEX <sup>2</sup> Making Cosmetics		Total	100.0

## PROCEDURE:

1. Dissolve DHA in water with propeller mixing.
2. Add Clarisilk, Lexquat C-PF and Lexaine C with slow mixing until homogenous.
3. Add the rest of the ingredients and mix uniformly.
4. Adjust the pH to around 3.5 with Citric Acid Solution.
5. Transfer the solution into a self-foaming container.

## STABILITY:

- 45°C and 50°C (4 weeks)
- 45°C and 50°C (12 weeks)
- F/T -4°C -50°C (3 cycles)

## PROPERTIES:

pH = 3.52

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