

Daily Face & Neck Lotion In-Vivo SPF 50

SC-1080



Ultralightweight, silicon-free formula that helps protect skin from harmful UVA-UVB rays, ideal for daily use. This soft, milky-type texture penetrate quickly into skin and moisturize without greasiness.

Phase	Trade Name	Ingredient (INCI)	(w/w)%	
A	DI water	Deionized water	60.6	
	Glycerin	Glycerin	3.0	
	Lexgard® O¹	Capryly Glycol	1.0	
	Pure-Gel®B990 ²	Food Starch-Modified	1.0	
	Aspartic Acid	Aspartic Acid	0.6	
B	Octocrylene ⁴	Octocrylene	2.8	
	Oxybenzone ⁴	Oxybenzone	6.0	
	KAHSCREEN OS ³	Octisalate	5.0	
	Homosalate ⁴	Homosalate	10.0	
	Avobenzon ⁴	Avobenzon	3.0	
	SustOleo® 1822¹	Brassicamidoproyl Dimethylamine	3.0	
	SustOleo® GMS¹	Glyceryl Stearate (Olive)	2.0	
	SustOleo® BG¹	Brassica Glycerides	2.0	
¹ INOLEX ² Grain Processing Corporation ³ KAH SPECIALTY PRODUCTS ⁴ MakingCosmetics Inc.			Total	100.0

SustOleo® 1822
Cationic conditioning agent and emulsifier.

SustOleo® BG
Structuring agent that provides exceptional formulation stability.

SustOleo® GMS
Co-emulsifier for enhancing stability.

PROCEDURE:

1. Dissolve Aspartic Acid in DI water, and then add the rest of the ingredients in Phase A and heated to 75°C.
2. Combine phase B and heat to 75°C, mix uniformly.
3. Add phase B into phase A with homogenization at 3500rpm for 3 minutes.
4. Keep stirring until it cools to 40°C.

STABILITY:

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

PHYSICAL PROPERTIES:

pH @ 25°C = 6.0 – 7.0
Viscosity @ 25°C (Brookfield RTV; Spindle T-C @ 10rpm) = 2,000 – 10,000 cps

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