

**Formula Name : Luxury Sun Protector (UP-611)**

Lot.No.26-PTP-12S

(NIKKOL Nikkomulose 41S: 3.0%)


<https://www.chemical-navi.com/>

INCI NAME	TRADE NAME	ROLE/FEATURE	SUPPLIER	wt%
<b>A</b>				
Behenyl Alcohol, Polyglyceryl-10 Pentastearate, Sodium Stearoyl Lactylate	NIKKOL Nikkomulose 41S	Emulsifier	NIKKO CHEMICALS	3.0000
Polyglyceryl-10 Dimer Dilinoleate/Stearate/Hydroxystearate	NIKKOL GS-WHO	Emollient agent	NIKKO CHEMICALS	2.0000
Ethylhexyl Methoxycinnamate	Uvinul MC80	UV filter	BASF	7.5000
Octocrylene	Eusolex OCR	UV filter	MERCK	3.0000
C12-15 Alkyl Benzoate, Titanium Dioxide, Alumina, Methicone, Polyhydroxystearic Acid	TNP50T7	UV filter	KOBO Products	5.0000
Zinc Oxide, C12-15 Alkyl Benzoate, Polyhydroxystearic Acid, Triethoxycaprylsilane	TNP50ZSI	UV filter	KOBO Products	30.0000
Batyl Alcohol	NIKKOL Batyl Alcohol EX	Emollient agent, Emulsifier, Anti-	NIKKO CHEMICALS	1.0000
Lysolecithin	LPA	Anti-skin roughening, Moisturizer	NIKKO CHEMICALS	0.1000
PEG/PPG/Polybutylene Glycol-8/5/3 Glycerin	WILBRIDE S-753	Moisturizer	NOF	2.0000
<b>B</b>				
Sodium Methyl Stearoyl Taurate	NIKKOL SMT	Emulsifier	NIKKO CHEMICALS	0.5000
Water				to 100.0000
Butylene Glycol (Preservatives)		Moisturizer		3.0000
Xanthan Gum, Water	(2%aq.)	Antimicrobial agent		q.s.
Glycerin		Thickener		5.0000
		Moisturizer		2.0000
Methyl Methacrylate Crosspolymer, HDI/Trimethylol Hexyllactone Crosspolymer	UP-611	Texturizer, Functional powder	Toshiki Pigment	2.0000
Hydroxyethyl Acrylate/Sodium Acryloyldimethyl Taurate Copolymer, Water	SEPINOV EMT 10 (2% aq.)	Thickener	SEPPIC	5.0000
<b>C</b>				
Averrhoa Carambola Leaf Extract, Water, Butylene Glycol	STAR FRUIT LEAF EXTRACT BG30	Anti-skin roughening	Maruzen Pharmaceuticals	1.0000
Macropitilium Atropurpureum Flower/Leaf/Stem Extract, Butylene Glycol, Water	SIRATRO EXTRACT BG	Anti-wrinkle	Maruzen Pharmaceuticals	1.0000
Butylene Glycol, Water, Angelica Acutiloba Root Extract	JAPANESE ANGELICA ROOT EXTRACT BG-J	Brightening	Maruzen Pharmaceuticals	1.0000
Water				3.0000
			Total	100.0000
<b>Procedure</b>				
1. Heat A and B to 80°C respectively, and mix until uniform.				
2. Dissolve C uniformly.				
3. While stirring B by homogenizer, add A into B gradually and emulsify at 80°C for a certain period of time.				
4. Cool down to 35°C while stirring, and then add C into A+B and mix until uniform.				
<b>Physical Properties</b>		<b>Stability</b>		
SPF 50+ (in vivo, n=5)		· RT, 45°C, 5°C : Confirmed for 3 months · 50°C, -5°C, Cycle(-5⇔45°C) : Confirmed for 1 month		

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We do not guarantee the stability of the final products of formulations in this brochure though the stability was checked under certain conditions.

We do not guarantee the preservation property of this formulation as we do not have checked it.

We do not guarantee that this formulation does not conflict with any patent.

It is users' responsibility to determine the suitability for their own use of the formulation.