

**Formula Name: Ergo-C Sun Cream**

Lot.No.49-LHU-15

(NIKKOL Nikkomulse LH: 4.0%)



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INCI NAME	TRADE NAME	ROLE/FEATURE	SUPPLIER	wt%
<b>A</b>				
Glycerin, Hydrogenated Lecithin, Hydroxypropyl Methylcellulose Stearoy Ether, Squalane, Sodium Methyl Stearoyl Taurate	NIKKOL Nikkomulse LH	Emulsifier, Thickener	NIKKO CHEMICALS	4.0000
Water				50.9500
Glycerin		Moisturizer		10.0000
Polyglyceryl-10 Myristate	NIKKOL Decaglyn 1-M	Emulsifier, Solubilizer, Dispersant	NIKKO CHEMICALS	0.5000
<b>B</b>				
Ethylhexyl Methoxycinnamate	Uvinul MC80	UV filter	BASF	7.5000
Diethylamino Hydroxybenzoyl Hexyl Benzoate	Uvinul A Plus Granular	UV filter	BASF	3.5000
Bis-Ethylhexyloxyphenol Methoxyphenyl Triazine	Tinosorb S	UV filter	BASF	3.0000
Ethylhexyl Triazone	UVINUL T 150	UV filter	BASF	3.0000
Diisopropyl Adipate	NIKKOL DID	Emollient agent, Solvent, Penetrant	NIKKO CHEMICALS	3.0000
Ascorbyl Tetraisopalmitate	NIKKOL VC-IPVS	Anti-aging, Brightening, Conditioning agent	NIKKO CHEMICALS	1.0000
Sorbitan Stearate	NIKKOL SS-10V	Emulsifier	NIKKO CHEMICALS	0.5000
Glyceryl Undecylenate	NIKKOL MGU	Antimicrobial agent	NIKKO CHEMICALS	0.5000
Tocopherol		Antioxidant		0.0500
<b>C</b>				
Water				4.9000
Ergothioneine, Mannitol	IntenCfy	Brightening	Barnet Products	0.1000
<b>D</b>				
Water, Citric Acid	(1% aq.)	pH adjuster		2.5000
<b>E</b>				
Acrylates Copolymer, Water, Arginine	ARON AC-1000	Film former	NIKKO CHEMICALS	1.0000
<b>F</b>				
Silica	SUNSPHERE NP-100	Texturizer	AGC	1.0000
Water				3.0000
			Total	100.0000
<b>Procedure</b>				
1. For A, mix NIKKOL Nikkomulse LH and water by paddle-mixer for 30 minutes to swell, then add other ingredients and mix until uniform.				
2. Heat A and B to 80°C and stir separately until uniform.				
3. Stir C and F separately until uniform at room temperature.				
4. While stirring A by homogenizer, add B into A gradually and emulsify at 80°C for a certain period of time.				
5. Cool down to 35°C while stirring, then add C, D, E and F into A+B and mix until uniform.				
<b>Physical Properties</b>			<b>Stability</b>	
Initial viscosity (B type Viscometer, No.4 6rpm, 30sec.): 35700 mPa · s			on going	
pH (bulk): 4.9				

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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 have not 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.