

**Formula Name: Skin Barrier Gel Cream**

Lot.No.60-MGC-1

(NIKKOL Nikkomulose LH: 4.0%, NIKKOL VC-IPVS: 3.0%, NIKKOL LECINOL MFL: 0.1%)


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

INCI NAME	TRADE NAME	ROLE/FEATURE	SUPPLIER	wt%
<b>A</b>				
Myristyl Alcohol		Viscosity modifier		0.5000
Simmondsia Chinensis (Jojoba) Seed Oil	NIKKOL Jojoba Oil S	Emollient agent	NIKKO CHEMICALS	2.0000
C15-19 Alkane	EMOGREEN L19	Emollient agent	SEPPIC	10.0000
Batyl Alcohol	NIKKOL Batyl Alcohol EX	Emollient agent, Anti-inflammatory	NIKKO CHEMICALS	1.3000
Triethylhexanoin	NIKKOL SG-TRIFAT S-308	Emollient agent	NIKKO CHEMICALS	6.0000
Dimethicone	Gransil 530	Emollient agent, Texturizer	GRANT INDUSTRIES	2.0000
Ascorbyl Tetraisopalmitate	NIKKOL VC-IPVS	Anti-aging, Brightening, Conditioning agent	NIKKO CHEMICALS	3.0000
Tocopherol		Antioxidant		0.1000
Squalane	NIKKOL SUGARSQUALANE	Emollient agent	NIKKO CHEMICALS	3.0000
Ceramide NP	DS-CERAMIDE Y30	Moisturizer, Anti-skin roughening, Anti-aging	Solus BioTech	0.1000
<b>B</b>				
Glycerin, Hydrogenated Lecithin, Hydroxypropyl Methylcellulose Stearoyl Ether, Squalane, Sodium Methyl Stearoyl Taurate	NIKKOL Nikkomulose LH	Emulsifier, Thickener	NIKKO CHEMICALS	4.0000
Phenoxyethanol		Antimicrobial agent		0.5000
Glycerin		Moisturizer		2.0000
Water				52.2500
Propanediol		Moisturizer		5.0000
Xanthan Gum, Water	(2% aq.)	Thickener		5.0000
Disodium EDTA		Chelating agent		0.1000
Citric Acid		pH adjuster		0.0200
Sodium Citrate		pH adjuster		0.0300
<b>C</b>				
Lysolecithin	NIKKOL LECINOL MFL	Anti-skin roughening, Moisturizer	NIKKO CHEMICALS	0.1000
Water				3.0000
			Total	100.0000
<b>Procedure</b>				
1. For B, mix NIKKOL Nikkomulose 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. 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, then add C into A+B and mix until uniform.				
<b>Physical Properties</b>			<b>Stability</b>	
Initial viscosity (B type Viscometer, No.4 6rpm, 30sec.): 33800 mPa · s			on going	
pH (bulk): 5.2				

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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.