

**Formula Name : Touch of nature Foundation**

Lot.No.51-IPF-4

(NIKKOL Purephos Alpha: 1.4%)

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INCI NAME	TRADE NAME	ROLE/FEATURE	SUPPLIER	wt%
<b>A</b>				
Cetyl Phosphate	NIKKOL Purephos Alpha	Emulsifier	NIKKO CHEMICALS	1.4000
Glyceryl Stearate	NIKKOL MGS-BV2	Emulsifier	NIKKO CHEMICALS	0.5000
Cetyl Alcohol		Viscosity modifier, Stabilizer		1.5000
Macadamia Integriifolia Seed Oil, Macadamia Ternifolia Seed Oil	NIKKOL Macadamia Nut Oil	Emollient agent	NIKKO CHEMICALS	6.0000
Gevuina Avellana Seed Oil	NIKKOL Hazel Nut Oil	Emollient agent	NIKKO CHEMICALS	4.0000
Caprylic/Capric Triglyceride	NIKKOL Triester F-810	Emollient agent	NIKKO CHEMICALS	10.0000
C15-19 Alkane	EMOGREEN L19	Emollient agent	SEPPIC	5.0000
Glyceryl Undecylenate	NIKKOL MGU	Antimicrobial agent	NIKKO CHEMICALS	0.5000
<b>B</b>				
Xanthan Gum,Water	(2%aq.)	Thickener		20.0000
Arginine		Neutralizer		0.8500
Water				24.7500
<b>C</b>				
Propanediol		Moisturizer		5.0000
Aluminum Hydroxide,Titanium Dioxide	MP-1133	Inorganic pigment	TAYCA	12.0000
Iron Oxides	TAROX Iron oxide LL-100P	Inorganic pigment	Titan Kogyo	1.4000
Iron Oxides	TAROX Iron oxide R-516P	Inorganic pigment	Titan Kogyo	0.4000
Iron Oxides	TAROX Iron oxide BL-100P	Inorganic pigment	Titan Kogyo	0.2000
<b>D</b>				
Sodium Methyl Stearoyl Taurate	NIKKOL SMT	Dispersant	NIKKO CHEMICALS	0.5000
Water				6.0000
			Total	100.0000
<b>Procedure</b>				
1. Grind C with triple-roll mill and make it uniform.				
2. Heat C and D respectively up to 80°C.				
3. Add D into C gradually and mix until uniform at 80°C.				
4. Cool down to 35°C while stirring.				
5. Heat A and B respectively at 80°C and mix until uniform.				
6. Add A into B while mixing B with homogenizer and emulsify with homogenizer.				
7. Cool down to 35°C with stirring, then add C+D into A+B and mix well until uniform.				
<b>Physical Properties</b>			<b>Stability</b>	
Initial viscosity (B type Viscometer, No.3 6rpm, 30sec.) : 7930 mPa · s			· RT, 45°C, 5°C : Confirmed for 3 months	
pH(bulk) : 8.1			· 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 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.