Confidential

NIKKOL GROUP
NIKKO CHEMICALS CO., LTD.
1 - 4 - 8 NIHONBASHI - BAKUROCHO, CHUOKU,
TOKYO, 103 - 0002, JAPAN
Email: international_inquiry@nikkol.co.jp

chemical-navi
Inspire you to succeed

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

Formula Name：Pure Crystal Foundation

Lot.No.51-FPB-7
(NIKKOL Purephos Alpha 1.4%)

INCI NAME	TRADE NAME	ROLE/FEATURE	SUPPLIER	wt%
		A		
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		3.0000
Gevuina Avellana Seed Oil	NIKKOL Hazel Nut Oil	Emollient agent	NIKKO CHEMICALS	10.0000
Macadamia Ternifolia Seed Oil	NIKKOL Macadamia Nut Oil	Emollient agent	NIKKO CHEMICALS	15.0000
o-Cymen-5-ol	BIOSOL	Antimicrobial agent	NIKKO CHEMICALS	0.1000
		B		
Xanthan Gum,Water	(2% aq.)	Thickener		20.0000
Arginine		Neutralizer		0.8500
Water				21.1500
		C		
PPG-24-Glycereth-24	NIKKOL SG-G2424	Moisturizer, Penetrant	NIKKO CHEMICALS	2.5000
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
		D		
Sodium Methyl Stearoyl Taurate	NIKKOL SMT	Dispersant	NIKKO CHEMICALS	0.5000
Water				6.0000
			Total	100.0000

Procedure

1. Grind C with triple-roll mill and make it uniform.
2. Heat C and D respectively at 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. While stirring B by homogenizer, add A into B and emulsify at 80°C.
7. Cool down to 35°C while stirring, then C+D into A+B and mix well until uniform.

Physical Properties	Stability
Initial viscosity (B type Viscometer, No.4 6rpm, 30sec.)：52400 mPa・s	・RT, 45°C, 5°C：Confirmed for 3 months
pH(bulk)：7.9	・50°C, -5°C, Cycle(-5⇔45°C)：Confirmed for 1 month

20220121-3