

Formula Name: Tinted Sun Balm

Lot.No.51-HCS-101

## NIKKOL GROUP

## NIKKO CHEMICALS CO., LTD.

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## (NIKKOL Zinc-Glycine Complex: 1.0%) https://www.chemical-navi.com/ **INCI NAME** TRADE NAME ROLE/FEATURE **SUPPLIER** wt% Disteardimonium Hectorite, PEG-10 NIKKOL Nikkomulese WO-CF Emulsifier NIKKO CHEMICALS 3.5000 Dimethicone, Dimethicone NIKKOL SI-15RV NIKKO CHEMICALS 1.0000 Sorbitan Sesquiisostearate Emulsifier NIHON KOKEN 4.0000 sododecane Permethyl 99A Emollient agent KOGYO 11.5000 NIKKOL IPM-EX NIKKO CHEMICALS Isopropyl Myristate Emollient agent В Titanium Dioxide, Aluminum Hydroxide, Talc, FDP-C-WHITE3 8.7000 Inorganic pigment Toshiki Pigment Hydrogen Dimethicone Titanium Dioxide, Aluminum Hydroxide, Talc, FDP-C-RED3 1.4500 Toshiki Pigment Inorganic pigment Hydrogen Dimethicone, Iron Oxides Titanium Dioxide, Aluminum Hydroxide, Talc, FDP-C-YELLOW3 2.9000 Inorganic pigment Toshiki Pigment Hydrogen Dimethicone, Iron Oxides Γitanium Dioxide, Aluminum Hydroxide, Talc, FDP-C-BLACK3 Inorganic pigment Toshiki Pigment 1.4500 Hydrogen Dimethicone, Iron Oxides Zinc Oxide, C12-15 Alkyl Benzoate, TNP50ZSI UV filter KOBO Products 15.0000 Polyhydroxystearic Acid, Triethoxycaprylylsilane C12-15 Alkyl Benzoate, Titanium Dioxide, TNP50T7 UV filter KOBO Products 5.0000 Alumina, Methicone, Polyhydroxystearic Acid HDI/Trimethylol Hexyllactone Crosspolymer, US-450 Functional powder Toshiki Pigment 2.0000 Polymethylsilsesquioxane HDI/Trimethylol Hexyllactone Crosspolymer, Texturizer, Functional UP-812 2.0000 Toshiki Pigment Methyl Methacrylate Crosspolymer powder Diethylamino Hydroxybenzoyl Hexyl Benzoate Uvinul A Plus Granular UV filter BASF 4.3000 Uvinul MC80 UV filter BASF 6.1000 Ethylhexyl Methoxycinnamate Octocrylene Eusolex OCR UV filter MERCK 2.6000 D 3.0000 Moisturizer Glycerin NIKKOL Zinc-Glycine Brightening, Anti-wrinkle, NIKKO CHEMICALS 1.0000 Zinc Glycinate Complex Antioxidant 0.6000 Sodium Citrate pH adjuster, Dissolving aid Citric Acid pH adjuster, Dissolving aid 0.1800 0.6000 Sodium Chloride Stabilizer <sup>o</sup>henoxyethanol Antimicrobial agent 0.4000 12.7200 Water CERESIN #810 Nikko Rica 10.0000 Ceresin Viscosity modifier 100.0000 Total . Disperse NIKKOL Nikkomulese WO-CF in A with disperser mixer until uniform. 2. Heat C to 80°C and dissolve completely, and then cool it down to room temperature. 3. Stir B and D separately until uniform at room temperature. 4. While stirring A by disperser mixer, add B and C into A and mix until uniform. 5. While stirring A-C by disperser mixer, add D into A-C gradually and emulsify for a certain period of time. 6. Remove air bubbles with vacuum pump. 7. Heat A-D and E to 85°C separately and mix until uniform. 8. Add E into A-D and mix until uniform. 9. Heat the bulk to 85°C and fill it into a container, then leave to stand and solidify at room temperature or under cold conditions. **Physical Properties** Hardness: 40 ~ 80 g RT, 45°C, 5°C; Confirmed for 3 months

· 50°C, -5°C, Cycle (-5 ⇔ 45°C): Confirmed for 1 month 20230317-1

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.