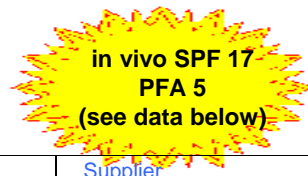


SPF 15 Entrapped Sunscreen with HMZ-50 and Formula KSL-172 **DAIAMID MSP-Ti50**



Kobo Products - formulations

Part	Percent	Ingredients	INCI Name	Supplier
1	18.50	HMZ-50	Zinc Oxide (And) Polymethyl Methacrylate	Sumitomo Osaka Cement/Kobo Products
	15.90	Salacos 99	Isononyl Isononanoate	Ikeda Corporation
	5.00	DAIAMID MSP-Ti50	Nylon-12 (And) Titanium Dioxide	Daicel-Evonik/Kobo Products
	5.00	ABIL® WE 09	Polyglyceryl-4 Isostearate (And) Cetyl PEG/PPG-10/1 Dimethicone (And) Hexyl Laurate	Evonik
	3.00	SILSOFT 034	Caprylyl Methicone	Momentive/Kobo Products
	1.00	SF96-350	Dimethicone	Momentive/Kobo Products
	1.00	LUCENTITE SAN-P	Quaternium-18 Hectorite	Kobo Products
	0.50	Crill 3 NF	Sorbitan Isostearate	Croda
	0.10	Propylene Carbonate	Propylene Carbonate	RITA Corp.
	2	46.50	Deionized Water	Water
1.00		Sodium Chloride	Sodium Chloride	Morton Salt
1.00		Germaben® II	Propylene Glycol (And) Diazolidinyl Urea (And) Methylparaben (And) Propylparaben	ISP
1.00		Aculyn™ 44	PEG-150/Decyl Alcohol/Smdi Copolymer	Rohm & Haas
0.50		Liposorb® L-20	Polysorbate 20	Lipo Chemicals

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Manufacturing Procedure

Manufacturing Procedure

1. In main kettle, combine Part 1 ingredients and heat to 60-65°C.
2. Mix Part 2 ingredients until uniform and add to Part 1 under propeller. Mix until uniform.
3. Cool to 28°C and pour.

Description

This Sunscreen uses entrapped physical sunscreens HMZ-50 and DAIAMID MSP-Ti50 to be non nano. The spheres also give protection to the sunscreen and give excellent application and drydown. This non nano sunscreen is also non whitening on skin.

Notes

Active Ingredient(s)	
Zinc Oxide	9.28%
Titanium Dioxide	2.50%

SPF testing: in vivo on 3 subjects

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