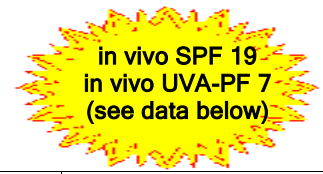


Economical O/W Sunscreen featuring TNP50T7 & TNP65FZS

Formula KSL-177-CH



Kobo Products - formulations

Part	Percent	Ingredients	INCI Name	Supplier
1	61.90	Deionized Water	Water	
	4.00	Glycerin U.S.P. Natural 96%	Glycerin	Cognis Corp.
2	0.20	Methyl Paraben NF	Methylparaben	International Sourcing
	0.20	KELTROL® CG	Xanthan Gum	CP Kelco
3	15.00	TNP50T7	C12-15 Alkyl Benzoate (And) Titanium Dioxide (And) Alumina (And) Polyhydroxystearic Acid (And) Methicone	Kobo Products
	6.00	TNP65FZS	Zinc Oxide (And) C12-15 Alkyl Benzoate (And) Triethoxycaprylylsilane (And) Polyhydroxystearic Acid	Kobo Products
	4.20	Dermol 25B	C12-15 Alkyl Benzoate	Alzo International Inc.
	2.50	Lipopeg® 100-S	PEG-100 Stearate	Lipo Chemicals
	1.50	Lipo® GMS 450	Glyceryl Stearate	Lipo Chemicals
	0.40	Shea Butter	Shea Butter	Cognis Corp.
	0.10	Propyl Paraben NF	Propylparaben	International Sourcing
4	3.00	MSS-500W	Silica	Kobo Products
	1.00	Sepigel™ 305	Polyacrylamide (And) C13-14 Isoparaffin (And) Laureth-7	SEPPIC
100				

Manufacturing Procedure

1. Combine Part 1 and heat to 70°C.
2. Combine Part 2 ingredients into a slurry and add to Part 1 while mixing.
3. Combine Part 3 and heat to 70°C.
4. Combine Parts 1 and 2 with Part 3 under homogenization.
5. Add Part 4 while cooling.

Description

Economical sunscreen that uses Kobo's Titanium Dioxide Dispersion, TNP50T7, and Kobo's Zinc Oxide Dispersion, TNP65FZS. The proportion of Titanium Dioxide to Zinc Oxide provides SPF 15, while still being transparent on the skin. MSS-500W spherical silica gives slip during application and reduces shine on the skin.

Notes

Active Ingredient(s)	
Titanium Dioxide	5.78%
Zinc Oxide	3.74%

SPF testing: in vivo on 3 subjects

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Formulations

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The Powder & Dispersion Specialist

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