

Lightweight O/W Sunscreen Featuring TNP50ZSI

Formula KSL-083A

Kobo Products - formulations

Part	Percent	Ingredients	INCI Name	Supplier
1	69.80	Deionized Water	Water	
	3.00	Butylene Glycol	Butylene Glycol	Axo Chemical
	1.00	Phenonip®	Phenoxyethanol (And) Methylparaben (And) Ethylparaben (And) Propylparaben (And) Butylparaben	Clariant
2	19.00	TNP50ZSI	C12-15 Alkyl Benzoate (And) Zinc Oxide (And) Polyhydroxystearic Acid (And) Triethoxycaprylylsilane	Kobo Products
	4.50	Montanov L	C14-22 Alcohols (and) C12-20 Glucoside	SEPPIC
	1.00	Liponate® TDS	Tridecyl Stearate	Lipo Chemicals
	1.00	Fitoderm®	Squalane	Centerchem
	0.20	Vitamin E Acetate	dl-alpha Tocopherol	BASF
3	0.50	Sepigel™ 501	Acrylamides Copolymer (and) Mineral Oil (and) C13-14 Isoparafin (and) Polysorbate 85	SEPPIC

100

Manufacturing Procedure

1. In main kettle, combine Part 1 ingredients and heat to 78°C - 80°C with moderate speed propeller mixing.
2. Heat Part 2 to 80°C and mix until uniform.
3. Add Part 2 to Part 1 with medium speed propeller mixing. Mix for 15 minutes or until emulsification is complete.
4. Begin cooling batch.
5. At 40°C, add Part 3 to batch and mix well.
6. Cool to 25°C.

Description

This lightweight sunscreen is an O/W emulsion that provides SPF using Kobo's Zinc Oxide Dispersion, TNP50ZSI. TNP50ZSI also contributes to application and is transparent on the skin. Squalane and Vitamin E Acetate help to provide soothing skin properties.

Notes

Active Ingredient(s)	
Zinc Oxide	8.84%

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March, 2004

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Formulations

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The Powder & Dispersion Specialist

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