

Sunscreen Stick with HBTN65HP1 and HBTN55TIS

Formula KSL-171A

in vivo SPF 31.40
PFA 10.87
(see data below)

Kobo Products - formulations

Part	Percent	Ingredients	INCI Name	Supplier
1	29.84	Unitolate 160K	Caprylic/Capric Triglyceride	Universal Preserv-A-Chem
	13.64	HBTN55TIS	Butyloctyl Salicylate (And) Titanium Dioxide (And) Isostearic Acid (And) Aluminum Hydroxide (And) C12-15 Alkyl Benzoate	Kobo Products
	11.00	Ozokerite Wax White SP 1020P	Ozokerite	Strahl & Pitsch, Inc.
	9.00	Jeechem ISIS	Isostearyl Isostearate	Jeen International
	7.22	HBTN65HP1	Zinc Oxide (And) Butyloctyl Salicylate (And) C12-15 Alkyl Benzoate (And) Triethoxycaprylylsilane	Kobo Products
	6.00	Lanolin Technical Grade	Lanolin	RITA Corp.
	5.50	Candelilla Wax	Euphorbia Cerifera (Candelilla) Wax	Frank B. Ross
	5.00	Castor Oil	Ricinus Communis (Castor) Seed Oil	Alzo International Inc.
	4.50	Carnauba Wax	Copernica Cerifera (Carnauba) Wax	Strahl & Pitsch, Inc.
	4.00	Softisan 100	Hydrogenated Coco-Glycerides	Sasol
	4.00	Beeswax White SP 422P	Beeswax	Strahl & Pitsch, Inc.
	0.30	Vitamin E Acetate	Tocopherol Acetate	BASF

100

Manufacturing Procedure

Add all ingredients together and heat to 70-80°C. Mix until all waxes are melted and pour into sticks at 78-80°C.

Description

This stick applies smoothly and is convenient to use. This sunscreen uses Kobo's Zinc Oxide Dispersion, HBTN65HP1 and Titanium Dioxide Dispersion, HBTN55TIS, for UVA/UVB protection. The Butyloctyl Salicylate is a booster to help increase the SPF value.

Notes

Active Ingredient(s)	
Zinc Oxide	4.60%
Titanium Dioxide	6.00%

SPF testing: in vivo on 3 subjects

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Formulations

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The Powder & Dispersion Specialist

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