

# Sunny All-Day Sunscreen Stick

- Mass Market Formula
- No Melt Formula
- Easy Glide Application

Ingredient Trade Name	INCI Name	%
<b>Phase A</b>		
Sunflower Wax <sup>1</sup>	Helianthus Annuus (Sunflower) Seed Wax	18.0
Beeswax <sup>1</sup>	Beeswax	8.0
Kester Wax K-24 <sup>1</sup>	Lauryl Laurate	8.0
Escalol HMS <sup>2</sup>	Homosalate	10.0
Escalol 597 <sup>2</sup>	Octocrylene	10.0
Escalol 517 <sup>2</sup>	Butyl Methoxydibenzylmethane	3.0
Escalol 587 <sup>2</sup>	Ethylhexyl Salicylate	5.0
Jeechem TN <sup>3</sup>	C12-C15 Alkyl Benzoate	10.0
Jeechem CTG <sup>3</sup>	Caprylic/Capric Triglyceride	10.0
Carnation White Mineral Oil <sup>4</sup>	Mineral Oil	18.0



Product	Function	About	% Usage	Natural
Sunflower Wax	Structure	Natural, highly compatible and renewable structuring wax.	0.5-25%	x
Beeswax	Natural thickener, structure, plasticizer and particle suspension	Multifunctional, natural wax that increases stability, compatibility, prevents syneresis, offers many texture options. Makes anhydrous formulas soft and pliable, makes emulsions glossy, thick and with excellent pickup.	0.5-25%	x
Kester Wax K-24	Ester, Emollient	Natural ester and emollient that imparts slip, melts at body temp, offers slight cooling sensation. Provides light, dry, feel. Cuts greasiness with natural oils, esters and organic sunscreens.	1-50%	X

## PROCEDURE

- Combine all ingredients.
- Melt at 80-85 °C and mix until uniform, using shear if necessary.
- Pour into containers around 85° C.
- Allow to cool to room temperature.

Looking for additional formulas? Try our Formula Selector Tool at: <https://www.kosterkeunen.com/pcformulationguide/>

**Stability information:** Three months at room temperature, three months at 45 °C, three freeze/thaw cycles.

**Supplier information:** 1; Koster Keunen, Inc.; 2. Brenntag Specialties ; 3. JEEN International; 4. Maroon Group



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