

Natural Sunscreen Stick

Formula # 6/19-421/286/358-1

Features

- 100% Natural formula.
- Mineral sunscreens only, reef-friendly, non nano.
- Anhydrous stick formulation, easy application, non whitening.

Skin Care

Anhydrous

Natural / Clean

Sunscreen

Formula

White Beeswax

Natural wax produced by honeybees. Multifunctional; excels at making anhydrous formulas soft and pliable, and making emulsions glossy, thick and with excellent pickup. Structurant, plasticizer, thickener.

Cocoa Butter

Natural wax extracted from Cocoa beans. Low melt point solid, provides thickening, some structure, and nourishment to skin and hair. Emollient, thickener, glossy finish. Usage level up to 100%.

Rice Bran Wax

Natural wax extracted from rice bran oil. Very high melting point and structuring capabilities, increases stick structure and stability. Structurant. Usage level 1-20%.

Trade Name	INCI Name	%
<i>Phase A</i>		
White Beeswax ¹	Beeswax	12.0
Cocoa Butter ¹	Theobroma Cacao (Cocoa) Seed Butter	9.0
Rice Bran Wax ¹	Oryza Sativa (Rice) Bran Wax	7.5
Kester Wax K-60P ¹	Polyhydroxystearic Acid	6.0
Kester Wax K-24 ¹	Lauryl Laurate	9.0
Extra Virgin Coconut Oil ²	Cocos Nucifera (Coconut) Oil	26.0
Vitamin E Acetate ³	Tocopherol Acetate	1.0
UV Cut ZnO-68-CG ⁴	Zinc Oxide, Caprylic/Capric Triglyceride, Polyhydroxystearic Acid	29.5

Procedure

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

Additional Notes

Estimated SPF = 20

Stability Information:

One month at 45 °C, one month at room temperature, three freeze/thaw cycles.

Supplier Information:

1. Koster Keunen, Inc.; 2. Columbus Oils; 3. DSM; 4. Grant Industries.

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