

ButterScreen SPF 30 Sunscreen

SH-02-14-16

A creamy sunscreen butter, with broad spectrum SPF protection and a natural weightless finish, that shields the skin from photoaging.



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Ingredients	INCI Nomenclature	Suppliers	% w / w
A1 DI-Water GreenGard™ PA12 Sucrathix VX	Water (Aqua) Sodium Phytate Microcrystalline Cellulose, Cellulose Gum, Xanthan Gum	--- Green Line, LLC Alchemy Ingredients	qs 0.10 2.00
A2 Propanediol GLE Organic Glycerin BergaSoft DG 50	Propanediol Glycerin Decyl Glucoside	--- Green Line, LLC Berg + Schmidt	2.00 2.00 1.00
B1 Dispersun DSP-OL100 Lipex® SheaSolve™ Labrafac® CC MB	Polyhydroxystearic Acid Shea Butter Ethyl Esters Caprylic/Capric Triglyceride	Innospec Performance Chemicals AAK Gattefossé	0.60 3.25 10.00
B2 Zano® 20 Plus	Zinc Oxide, Triethoxycaprylsilane	EverCare	20.00
C Natrallipid® Abyssinian Oil Lipex® SheaSoft TR™ Emulium® Dermolea MB Evidice® PEHG Evicare® toco mix	Crambe Abyssinica Seed Oil Butyrospermum Parkii (Shea) Butter Polyglyceryl-6 Distearate, Candelilla/Joboba/Rice Bran Polyglyceryl-3 Esters Phenoxyethanol, Ethylhexylglycerin Tocopherol, Helianthus Annuus (Sunflower) Seed Oil	Nature's Crops International AAK Gattefossé Evident Ingredients Evident Ingredients	2.00 5.00 4.00 1.00 0.50
D Solastemis™	Fructose, Glycerin, Water, Sechium Edule Fruit Extract	Gattefossé	2.00
E Citric Acid 50%	Citric Acid, Water	---	qs

100.00

Procedure

1. Add Phase A1 and homogenize for 3-5 minutes until gum is dispersed.
2. Add Phase A2 to A1 and begin heating to 70-75°C.
3. In a separate mixing vessel add Lipex® SheaSolve™ and Labrafac® CC MB from Phase B1 and heat to 60°C. Add Dispersun DSP-OL 100 and mix until clear and uniform.
4. Slowly add Phase B2 to Phase B1 under high shear mixing (homogenization) until completely dispersed.
5. Add Phase C to Phase B. Heat to 70-75°C and mix well until homogeneous. Add Phase BC to Phase A under good mixing. Homogenize for 5-10 min at 70°C.
6. Cool under mixing. At 40°C or below, add Phase D and mix well until homogeneous.
7. Adjust pH to 7.0-7.5 with citric acid, if necessary.

How To Use

Apply a generous, even amount to the face and body after cleansing. Reapply as needed to stay protected.

Stability Tested	
3 months	5°C, room temperature, 40°C
Freeze/Thaw	3 cycles
Physical Data	
Appearance	White to Off White Opaque Cream
Odor	Characteristic
pH	7.0 – 7.5
Viscosity	20,000 – 40,000cPs Brookfield DV-II (RT; full viscosity; RV T-A (91) @5 rpm)
Performance Data	
SPF	30.8 (in-vitro, HelioScience H2)
UVA-PF	14.1 (in-vitro, HelioScience H2)
Critical Wavelength	371 nm (in-vitro, HelioScience H2)



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