



## SUN SHIELD STICK WITH ZINC OXIDE

A long-lasting, easy-to-apply, non-greasy formulation in a handy stick format. No white residue from zinc oxide, either! **Meadowfoam Seed Oil XPR** adds non-greasy nourishing hydration and oxidative stability (key for warm weather situations!) and **Daikon Seed Extract** gives a powdery feel while providing a nice glide for easy application. Other ingredients include a high transparency non-whitening zinc oxide dispersion, and a long-lasting film-forming agent.

Ingredient INCI NAME	Trade Name	%
<b>Phase A</b>		
<b>Limnanthes Alba (Meadowfoam) Seed Oil</b>	<b>Meadowfoam Seed Oil XPR* <sup>1</sup></b>	<b>6.00</b>
<b>Raphanus Sativus (Radish) Seed Extract</b>	<b>Daikon Seed Extract <sup>1</sup></b>	<b>16.00</b>
Caprylic/Capric Triglyceride, Zinc Oxide, Polyhydroxystearic Acid	Sheer Sparse Natural 75C <sup>6</sup>	29.00
Theobroma Grandiflorum Seed Butter (and) Tocopherol	Cupuaçu Butter <sup>3</sup>	5.00
Lauryl Laurate	Kester Wax K-24 <sup>4</sup>	10.00
Octyldodecyl Stearate	Ceraphyl ODS <sup>5</sup>	8.00
<b>Phase B</b>		
Helianthus Annuus (sunflower) seed oil (and) Carthamus Tinctorius (Safflower) Seed Oil (and) Styrene/Butadiene Copolymer	OleoFLEX™ FG 100 <sup>2</sup>	4.00
Helianthus Annuus (Sunflower) Seed Oil (and) Caprylic/Capric Tri-glyceride (and) Styrene/Butadiene Copolymer	OleoFLEX™ EG 200 <sup>2</sup>	4.00
Euphorbia Cerifera (Candelilla) Wax	Candelilla Wax NF <sup>4</sup>	12.00
Sustainable White Beeswax	Beeswax NF White <sup>4</sup>	6.00
<b>Total</b>		<b>100</b>

\* Meadowfoam Seed Oil and Meadowfoam Seed Oil XPR can be used interchangeably in this formulation.

Formulation contains sunscreen active ingredients but has not been tested for safety and efficacy.

**Suppliers:** <sup>1</sup> Natural Plant Products; <sup>2</sup> Applechem; <sup>3</sup> Ross Organic/Beraca; <sup>4</sup> Koster Keunen; <sup>5</sup> Ashland; <sup>6</sup> Vizor/LBBS

**Procedure:** 1. Heat and mix Phase A with a propeller blade at 90°C until uniform. 2. Add Phase B and continue mixing for 15 minutes. 3. Reduce temperature to 70°C, fill containers.

**Stability:** 2 months at RT and 45°C.

**Suggested Usage:** Glide the stick all over face and neck. Lightly rub in with fingers. Apply as last step in skincare routine just before applying makeup.

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Phone: (503) 363-6402  
 Fax: (503) 587-8717  
 Email: sales@meadowfoam.com  
 P.O. Box 4306  
 Salem, OR 97302 USA  
[www.meadowfoam.com](http://www.meadowfoam.com)

