

Formulation

Built-in stability, elevated feel Broad-spectrum, high-SPF sunscreen with a nourishing, cushiony feel. The elegant formula absorbs quickly and leaves skin soft, smooth, and luxurious. Enriched with Vitamin E and Pentavitin[®], it pairs sun protection with long-lasting hydration for skin that feels balanced and comfortable all day. Built for everyday wear that feels effortless. This sunscreen is formulated for efficient solubilization and stabilization of broad-spectrum UV filter systems containing bemotrizinol (BEMT). It's silicone-free and biodegradable. The formula matches that protection with a premium sensory feel and gives formulators room to add nourishing actives and bring higher SPF into everyday skincare.

PHASE A

PHASE TOTAL: 100.0000%

PHASE INSTRUCTIONS

No phase instructions provided.

TRADE NAME	INCI NAME	FUNCTION	W/W %
Delonized Water	Water	-	67.0000
LexFeel* Enhance MB	Diheptyl Succinate (and) Propylene Glycol Dibenzoate (and) Capryloyl Glycerin/Sebacic Acid Copolymer	-	2.0000
Pemulen™ TR-1	Acrylates/C10-30 Alkyl Acrylate Crosspolymer	-	0.8000
Glycerin	Glycerin	-	2.0000
LexFeel* Enhance MB	Diheptyl Succinate (and) Propylene Glycol Dibenzoate (and) Capryloyl Glycerin/Sebacic Acid Copolymer	-	3.0000
PARSOL® EHS	Ethylhexyl Salicylate	-	5.0000
PARSOL® HMS	Homosalate	-	7.0000
PARSOL® 1789	Avobenzone	-	3.0000
PARSOL® Shield	Bis-Ethylhexyloxyphenol Methoxyphenyl Triazine	UV Filter	6.0000
LexFilm™ Sun	Polyester-7 (and) Neopentyl Glycol Diheptanoate	Pourable, liquid film former with superior aesthetics and water-resistant properties.	2.0000
Spectrastat™ GHL Natural	Caprylhydroxamic Acid (and) Glyceryl Heptanoate (and) Propanediol	Certified 100% natural multi-benefit system that provides complete broad spectrum protection against bacteria, yeast, and mold	1.0000
Vitamin E Acetate	Tocopheryl Acetate	Active Ingredient (Non-OTC) Skin Conditioning Agent Antioxidant	1.0000
PENTAVITIN®	Aqua (and) Citric Acid (and) Saccharide Isomerate (and) Sodium Citrate	Moisturizing Emollient Preservatives Sunscreen Agents Skin Conditioning Agent Hair Conditioning Agents	0.2000

TRADE NAME	INCI NAME	FUNCTION	W/W %
Sodium Hydroxide (25% Solution)	Sodium Hydroxide (and) Water	-	0.0000 (q.s.)

Specifications

VISCOSITY

45,000 - 60,000 cps

PH TARGET

4.00 - 5.00

PROCEDURE

Premix Items 2-4, then add to Item 1 (main batch) to build a homogenous gel. Heat to 80oC.

Combine Items 5-10 and heat to 80oC while mixing until clear.

Add Items 5-10 to main batch with vigorous mixing until homogenous gel cream forms (if not too thick, homogenize the batch).

Add Items 11-13 while cooling to room temperature.

Adjust pH to 4.50 - 5.00 with item 14.