

Formulation

The UnVisible Sunscreen uses inorganic UV filters for SPF 35 protection and a pigment combination, dispersed with LexFeel® WOW DT, that eliminates the white chalky appearance on all skin tones. LexFilm™ Sun Natural MB provides even coverage and water-resistance for daily and recreational use.

PHASE A

PHASE TOTAL: 100.0000%

PHASE INSTRUCTIONS

No phase instructions provided.

TRADE NAME	INCI NAME	FUNCTION	W/W %
Deionized Water	Water	-	43.8000
Magnesium Sulfate	Magnesium Sulfate	-	2.0000
LexFeel® WOW DT	C13-16 Isoalkane (formerly C13-16 Isoparaffin) (and) Heptyl Undecylenate	All pigments are dispersed in this 100% natural, rapidly absorbing, sensory enhancer with an ultra-dry finish and light, powdery skin-feel.	30.0000
LexFilm™ Sun Natural MB	Capryloyl Glycerin/Sebacic Acid Copolymer	Plant-based copolymer serves as a soft film former. Provides water-resistance and full, even coverage of pigments and filters. Locks in moisture and maintains product uniformity on skin.	2.0000
SustOleo™ TSB	Hydrogenated Rapeseed Oil	Improves hydrophobicity to boost water-resistance. Creates a creamy, buttery texture and can be used to build structure at higher levels.	2.0000
Lameform TGI	Polyglyceryl-3 Diisostearate	-	3.0000
TTO-NJE8+	Titanium Dioxide (and) Alumina (and) Jojoba Esters	-	10.0000
ZNO-C-NJE3	Zinc Oxide (and) Jojoba Esters	-	5.0000
Lemon Gold	Mica (and) Titanium Dioxide (and) Iron Oxides	-	0.6000
Copper	Mica (and) Iron Oxides	-	0.4000
Unipure Black LC989 NFW R CF	CI 77499 (and) Rosa Centifolia Flower Wax (and) Rosa Damascena Flower Wax (and) Cera Alba	-	0.0000
Unipure Red LC381 NFW R CF	CI 77491 (and) Rosa Centifolia Flower Wax (and) Rosa Damascena Flower Wax (and) Cera Alba	-	0.0000

TRADE NAME	INCI NAME	FUNCTION	W/W %
Unipure Yellow LC182 NFW R CF	CI 77492 (and) Rosa Centifolia Flower Wax (and) Rosa Damascena Flower Wax (and) Cera Alba	-	0.0000
Spectrastat™ G2 Natural MB	Caprylhydroxamic Acid (and) Glyceryl Caprylate (and) Glycerin	Emollient Skin Conditioning Agent	1.2000

Specifications

VISCOSITY

1,000 - 2,000 cps

PROCEDURE

Combine Items 1 - 2, heat to 80 °C.

Disperse Items 7 - 13 pigments in Item 3, which is the main batch.

Add Items 4 - 6 to main batch, heat to 80 °C.

Add Items 1 - 2 to main batch with homogenization at 3500 rpm for 2 min to 3 min.

Let cool to 45 °C with propeller mixing, then add Item 14.

Finish cooling to room temperature with propeller mixing.