

Formulation

Elevate your daily sun protection with SPF 49 Superfluid Sunscreen—a cutting-edge mineral sunscreen that delivers high-performance UV defense in an ultra-lightweight, fluid texture. Designed for seamless application, this innovative formula blends effortlessly into the skin, leaving a smooth, non-greasy finish with no white cast.

PHASE A

PHASE TOTAL: 100.0000%

PHASE INSTRUCTIONS

No phase instructions provided.

TRADE NAME	INCI NAME	FUNCTION	W/W %
Delonized Water	Water	-	37.8000
Magnesium Sulfate	Magnesium Sulfate	-	2.0000
LexFeel® WOW-DT	C13-16 Isoalkane (and) Heptyl Undecylenate	- Plant-based, fast spreading partially volatile silicone alternative with luxurious and light after-feel. Ideal for pigment wetting.	35.0000
A15-TiO2-S-NJE10	Titanium Dioxide (and) Hydrated Silica (and) Jojoba Esters	-	8.0000
Zano® 10	Zinc Oxide	Sunscreen Agents	9.0000
LexFilm™ Sun Natural MB	Capryloyl Glycerin/Sebacic Acid Copolymer	- Natural, pourable, liquid film former with superior aesthetics and water-resistant properties	2.0000
SustOleo™ TSB	Hydrogenated Rapeseed Oil	-	2.0000
Lameform TGI	Polyglyceryl-3 Diisostearate	-	3.0000
Spectrastat™ G2 Natural MB	Caprylhydroxamic Acid (and) Glyceryl Caprylate (and) Glycerin	Emollient Skin Conditioning Agent	1.2000

Specifications

VISCOSITY

300 – 1,000 cps

SPF 49 Superfluid Sunscreen

Inolex

PROCEDURE

Combine items 1 - 2, heat to 80°C.

Combine items 3 - 5 and mix them in SpeedMixer at 2500 rpm for 5 min.

Add item 6 - 8 to item 3 - 5 dispersion, heat to 80°C.

Add items 1 - 2 into items 3 - 8 with homogenization at 2000 rpm for 3 minutes.

Let cool to 45°C with propeller mixing, then add item 9.

Finish cooling to room temperature with anchor mixing.