

Mineral Shield SPF50

2177-7.05



+ Beach use

+ Non-tacky finish

+ Fully mineral

Phase	Name	INCI	Supplier	%
A1	PELEMOL P-810	PROPYLENE GLYCOL DICAPRYLATE/DICAPRATE	Phoenix	5.0
A2	SUPER ZINC NATURAL	ZINC OXIDE, POLYHYDROXYSTEARIC ACID	Vizor	26.0
A3	LEXFEEL NATURAL	HEPTYL UNDECYLENATE	Inolex	3.0
	PRESERVATIVE	PRESERVATIVE	-	0.7
A4	SOLAVEIL HTP1 MBAL-PW-(MV)	TITANIUM DIOXIDE, STEARIC ACID, ALUMINA	Croda	13.0
A5	CETIOL® ULTIMATE	UNDECANE, TRIDECANE	BASF	6.8
A6	EMULIUM® ILLUSTRO	POLYGLYCERYL-6 POLYHYDROXYSTEARATE, POLYGLYCERYL-6 POLYRICINOLEATE, POLYGLYCERIN-6	Gattefossé	3.0
B1	DEMINERALIZED WATER	WATER	-	31.8
	GEOGARD ULTRA™	GLUCONOLACTONE, SODIUM BENZOATE, CALCIUM GLUCONATE	Lonza	0.9
B2	MAGNESIUM SULFATE 99%	MAGNESIUM SULFATE	-	1.1
B3	1,3-PROPANEDIOL	PROPANEDIOL	Connect Chemicals	2.0
	GATULINE® RADIANCE	PROPANEDIOL, EVODIA RUTAECARPA FRUIT EXTRACT	Gattefossé	2.0
C	LEXFEEL NATURAL	HEPTYL UNDECYLENATE	Inolex	4.7
				100.0

Operating instructions

- Prepare A1: heat Pelemol P-810 at 50°C and under stirring add slowly Zinc Oxide.
- Add A3 to A1+A2.
- Add A4 step by step to A1+A2+A3 to make sure TiO₂ is well dispersed (dispersion becomes thick).
- Add A5 to A1+A2+A3+A4 under mixing (dispersion becomes less thick).
- Add A6 (pre-heated at 50°C) under mixing then homogenize with ultra turrax for 2 min.
- Prepare B1 and stir until complete solubilization.
- Add B2 to B1 and stir until complete solubilization of the salt. Add B3 and heat at 50°C.
- Emulsion : add B (50°C) to A (50°C) under rapid mixing (1500 rpm) and maintain mixing for 20 min.
- Add C under mixing.
- Cool to 27°C under mixing.

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Description

Sensitive and sun-intolerant skin deserves effective and sensorial UV protection too! Formulated with Emulium® Illustro, this sunscreen is neither sticky nor greasy on the skin. It is easy to apply and gives the skin a sunshine glow thanks to Gatuline® Radiance.

Specifications

- + Aspect:
Glossy and white cream
- + Viscosity Brookfield RV (spindle A, speed 5):
approx. 9 000 mPa.s after 24h
- + Conform to worldwide regulations
SPF *in vivo* (ISO 24444): 52 (3 subjects)
UVA *in vitro* (ISO 24443): 16.75
Critical wavelength: 376 nm
- + 98% natural origin (ISO 16128)

Ingredients

- Pelemol P-180, Lexfeel Natural and Cetiol® Ultimate are emollients which improve spreadability, bring a soft feel and nourish without any greasy sensation. Pelemol P-810 is also used to disperse UV filters.
- Super Zinc Natural and Solaveil HTP1 MBAL-PW-(MV) are mineral UV filters.
- **Emulium® Illustro** at 3% is a W/O emulsifier which creates a soft and comfortable texture. It is also used for its mineral filters dispersing properties.
- Geogard Ultra™ is a pH buffering agent that helps to stabilize viscosity over time.
- Magnesium Sulfate is a salt which improves stability.
- Propanediol is a humectant also used as a preservative.
- **Gatuline® Radiance** is a clinically tested active ingredient which boosts skin microcirculation and enhances skin radiance and luminosity.