

Mineral Dermaguard SPF50

2177-7.06



+ Kids friendly

+ Non-tacky finish

+ Scars & Tattoo protection

Phase	Name	INCI	Supplier	%
A1	COCOATE™ BG MB	BUTYLENE GLYCOL COCOATE	Gattefossé	5.00
	SUPER ZINC NATURAL	ZINC OXIDE, POLYHYDROXYSTEARIC ACID	Vizor	26.00
A2	LEXFEEL NATURAL	HEPTYL UNDECYLENATE	Inolex	3.00
	PRESERVATIVE	PRESERVATIVE	-	0.70
A3	SOLAVEIL HTP1 MBAL-PW-(MV)	TITANIUM DIOXIDE, STEARIC ACID, ALUMINA	Croda	13.00
A4	CETIOL® ULTIMATE	UNDECANE, TRIDECANE	BASF	6.80
A5	EMULIUM® ILLUSTR0	POLYGLYCERYL-6 POLYHYDROXYSTEARATE, POLYGLYCERYL-6 POLYRICINOLEATE, POLYGLYCERIN-6	Gattefossé	3.0
B1	DEMINERALIZED WATER	WATER	-	30.80
	GEOGARD ULTRA™	GLUCONOLACTONE, SODIUM BENZOATE, CALCIUM GLUCONATE	Lonza	0.90
B2	MAGNESIUM SULFATE 99%	MAGNESIUM SULFATE	-	1.10
B3	PROPANEDIOL	PROPANEDIOL	-	2.00
	NOXIFENSE™	PROPANEDIOL, HIPPOPHAE RHAMNOIDES EXTRACT	Gattefossé	1.00
	GATULINE® RADIANCE	PROPANEDIOL, EVODIA RUTAECARPA FRUIT EXTRACT	Gattefossé	2.00
C	LEXFEEL NATURAL	HEPTYL UNDECYLENATE	Inolex	4.70
				100.0

Operating instructions

- Prepare A1: heat Cocoate™ BG MB at 50°C and under stirring add slowly Zinc Oxide.
- Add A2 (dispersion becomes more fluid).
- Add A3 step by step to A1+A2 to make sure TiO₂ is well dispersed (dispersion becomes thick).
- Add A4 to A1+A2+A3 under mixing (dispersion becomes less thick).
- Add A5 (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 10 min.
- Add C under mixing (helps to cool the emulsion).
- 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. Formulated with natural ingredients and non-nano mineral UV filters, this shield is perfect for kids, or sensitive zone as scars & tattoos. The whitecast makes it easy to control that the cream is well applied!

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 (3 subjects)
UVA *in vitro* (ISO 24443): 16.8 (PA++++)
Critical wavelength: 376 nm
- + 98% natural origin (ISO 16128)

Ingredients

- **Cocoate™ BG MB** is an emollient that improves mineral UV filters dispersion and wettability.
- Lexfeel Natural and Cetiol® Ultimate are emollients which improve spreadability, bring a soft feel and nourish without any greasy sensation.
- Super Zinc Natural and Solaveil HTP1 MBAL-PW-(MV) are non-nano 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.
- **Noxifense™** is a bioactive that strengthens the skin's defense mechanisms against the exposome-induced oxi-inflammation, and soothes even the most sensitive and reactive skin.
- **Gatuline® Radiance** is a clinically tested active ingredient which boosts skin microcirculation and enhances skin radiance and texture.