

Velvet Protection SPF50+

1615-2.31



+

Beach use

+

Cashmere feel

+

Functionalized waxes

Phase	Name	INCI	Supplier	%
A1	DEMINERALIZED WATER	WATER	-	36.50
	PEMULEN™ TR-2	ACRYLATES/C10-30 ALKYL ACRYLATE CROSSPOLYMER	Lubrizol	0.15
A2	SODIUM HYDROXIDE (10 % SOL.)	WATER, SODIUM HYDROXIDE	-	0.20
A3	BUTYLENE GLYCOL	BUTYLENE GLYCOL	-	3.00
	SATIAXANE™ CX91	XANTHAN GUM	Cargill	0.20
A4	E.D.T.A. DISODIUM SALT	DISODIUM EDTA	-	0.10
B	EMULIUM® DELTA MB	CETYL ALCOHOL, GLYCERYL STEARATE, PEG-75 STEARATE, CETETH-20, STEARETH-20	Gattefossé	3.00
	ACTICIRE® MB	JOJOBA ESTERS, HELIANTHUS ANNUUS (SUNFLOWER) SEED WAX, ACACIA DECURRENS FLOWER WAX, POLYGLYCERIN-3	Gattefossé	1.00
	TEGOSOFT® TN	C12-15 ALKYL BENZOATE	Evonik	7.00
	COCOATE™ BG MB	BUTYLENE GLYCOL COCOATE	Gattefossé	2.00
	PARSOL® 1789	BUTYL METHOXYDIBENZOYL METHANE	DSM Nutritional Products	3.00
	UVINUL® A PLUS	DIETHYLAMINO HYDROXYBENZOYL HEXYL BENZOATE	BASF	2.00
	TINOSORB® S	BIS-ETHYLHEXYLOXYPHENOL METHOXYPHENYL TRIAZINE	BASF	3.00
	PARSOL® EHS	ETHYLHEXYL SALICYLATE	DSM Nutritional Products	4.00
	PARSOL® 340	OCTOCRYLENE	DSM Nutritional Products	4.00
	PARSOL® MCX	ETHYLHEXYL METHOXYCINNAMATE	DSM Nutritional Products	6.00
	TINOGARD® TL	BENZOTRIAZOLYL DODECYL P-CRESOL	BASF	0.50
C	TINOSORB® M	METHYLENE BIS-BENZOTRIAZOLYL TETRAMETHYLBUTYLPHENOL, WATER, DECYL GLUCOSIDE, PROPYLENE GLYCOL, XANTHAN GUM	BASF	6.00
	DEMINERALIZED WATER	WATER	-	3.00
D	DEMINERALIZED WATER	WATER	-	3.00
	SODIUM HYDROXIDE (10 % SOL.)	WATER, SODIUM HYDROXIDE	-	2.75
	PARSOL® HS	PHENYLBENZIMIDAZOLE SULFONIC ACID	DSM Nutritional Products	2.00
E	XIAMETER® PMX-1503 FLUID	DIMETHICONE, DIMETHICONOL	Xiameter	2.00
	XIAMETER® PMX-200 SILICONE FLUID 50 CS	DIMETHICONE	Xiameter	2.00
F	PRESERVATIVE	PRESERVATIVE	-	0.70
	PARFUM DOME RELAX RS59716	PARFUM	Technico-Flor	0.40
G	EPITEX™ 66 POLYMER	WATER, ACRYLATES COPOLYMER	Univar	2.00
H	SODIUM HYDROXIDE (10 % SOL.)	WATER, SODIUM HYDROXIDE	-	0.50
				100.00

Operating instructions

- Disperse Pemulen™ TR-2 into hot water (50 °C) and mix under moderate speed (500 rpm) for 30 minutes.
- Add A2 to neutralize partially Pemulen™ TR-2.
- Then add A3 (pre-dispersed right before introduction in A1) and mix for 5 minutes (600-800 rpm).
- Then add A4 and mix for 5 minutes until complete solubilization of EDTA.
- Heat B up to 80 °C until complete solubilization.
- Add slowly B (75 °C) to A (75 °C) under mixing (1500 rpm) for 15 minutes.
- Cool under moderate mixing (600 rpm) to 50 °C.
- Premix C to disperse Tinosorb® M into Water and add to batch under high speed (1200 rpm) for 2 minutes.
- Premix D until complete solubilization of Parsol® HS and add to batch under mix (600 rpm). Emulsion becomes less thick.
- Then add E under mixing (1200 rpm) for 1 minutes.
- Cool under mixing to 30-35 °C.
- Add F and G under mixing (600 rpm) for 5 minutes.
- Add H to adjust pH above 7.2.
- Cool to 25-27 °C under mixing (600 rpm).

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Description

Get a maximum photo-protection with this cream containing Emulium® Delta MB and Acticire® MB. This high SPF sunscreen gives a luxurious melting touch and leaves the skin moisturized. The velvet feeling provides a relaxing sensation without greasiness nor tackiness.

Specifications

- + Aspect:
Glossy and slightly yellow cream
- + pH = 7.2 ± 0.3
- + Viscosity Brookfield RV (spindle A, speed 5):
approx. 15 000 mPa.s after 24h
- + SPF *in vivo* (ISO 24 444) : 74 (4 subjects)
UVA *in vitro* (ISO 24 443) : 30
Photostability = 86%
Critical wavelength = 379 nm
UVA / PA++++

Ingredients

- **Emulium® Delta MB** at 3% creates a luxurious velvet touch upon application.
- **Acticire® MB** at 1% improves the sensorial properties of the formulation by decreasing the tacky and greasy afterfeel.
- **Cocoate™ BG MB** at 2% helps to stabilize and disperse the UV filters.
- Parsol® 1789, Uvinul® A Plus and Tinosorb® S are UVA filters and Parsol® EHS, Parsol® HS, Parsol® 340 and Parsol® MCX are UVB filters allowing an SPF 50+. Tinosorb® M is a UVA and UVB filter.
- Pemulen™ TR-2 helps stabilize the emulsion without increasing the viscosity.
- Epitex™ 66 and silicones enhance the water resistance.

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