

Cool Bodyguard SPF50

1643-1.29



+

Beach use

+

Refreshing

+

Natural water-resistance

Phase	Name	INCI	Supplier	%
A1	DEMINEALIZED WATER	WATER	-	41.20
	CARBOPOL® AQUA SF-1 OS POLYMER	ACRYLATES COPOLYMER	Lubrizol	2.00
A2	SATIAXANE™ CX91	XANTHAN GUM	Cargill	0.10
	ZEMEA® PROPANEDIOL	PROPANEDIOL	Dupont	3.00
A3	SODIUM HYDROXIDE (10 % SOL.)	WATER, SODIUM HYDROXIDE	-	0.40
A4	E.D.T.A. DISODIUM SALT	DISODIUM EDTA	-	0.10
B	EMULFREE® CBG MB	ISOSTEARYL ALCOHOL, BUTYLENE GLYCOL COCOATE, ETHYLCELLULOSE	Gattefossé	5.00
	SCHERCEMOL™ DIS ESTER	DIISOPROPYL SEBACATE	Lubrizol	5.00
	HALLBRITE® BHB	BUTYL OCTYL SALICYLATE	Hallstar	3.00
	COCOATE™ BG	BUTYLENE GLYCOL COCOATE	Gattefossé	3.00
	PARSOL® 1789	BUTYL METHOXYDIBENZOYL METHANE	DSM	3.00
	UVINUL® A PLUS	DIETHYLAMINO HYDROXYBENZOYL HEXYL BENZOATE	BASF	1.50
	TINOSORB® S	BIS-ETHYLHEXYLOXYPHENOL METHOXYPHENYL TRIAZINE	BASF	3.00
	UVINUL® T 150	ETHYLHEXYL TRIAZONE	BASF	1.50
	PARSOL® MCX	ETHYLHEXYL METHOXYCINNAMATE	DSM	5.00
	PARSOL® EHS	ETHYLHEXYL SALICYLATE	DSM	5.00
	PARSOL® 340	OCTOCRYLENE	DSM	6.00
	TINOGARD® TL	BENZOTRIAZOLYL DODECYL P-CRESOL	BASF	1.00
C	TINOSORB® M	METHYLENE BIS-BENZOTRIAZOLYL TETRAMETHYLBUTYLPHENOL, WATER, DECYL GLUCOSIDE, PROPYLENE GLYCOL, XANTHAN GUM	BASF	4.00
	DEMINEALIZED WATER	WATER	-	2.00
D	PRESERVATIVE	PRESERVATIVE	-	0.70
	PARFUM DOME RELAX RS59716	PARFUM	Technico-Flor	0.30
	SILSOFT 034	CAPRYLYL METHICONE	Momentive	1.00
E	GATULINE® RENEW	BUTYLENE GLYCOL, WATER, CRYPTOMERIA JAPONICA BUD EXTRACT	Gattefossé	1.00
	GATULINE® IN-TENSE	CAPRYLIC/CAPRIC TRIGLYCERIDE, SPILANTHES ACMELLA FLOWER EXTRACT	Gattefossé	2.00
	SODIUM HYDROXIDE (10 % SOL.)	WATER, SODIUM HYDROXIDE	-	0.20
				100.00

Operating instructions

- Prepare A1. Then premix A2 and add to A1 and mix until the Xanthan Gum swells.
- Add A3 to batch and mix for a few minutes to neutralize Carbopol® Aqua SF1-OS. Then add A4 and mix for a few minutes until complete solubilization of EDTA.
- Heat A up to 75°C.
- Prepare B and heat it to 81°C under mixing until well solubilization of UV filters.
- At 78°C, add slowly B to A and mix for 10-15 minutes at 1500rpm.
- Cool to 50°C under mixing (about 800rpm), add C premixed and mix for 2 minutes at 1200rpm.
- Complete cooling under mixing until 35°C, add D to batch and mix for 2 minutes at 1200rpm.
- Add E and mix for 2 minutes at 1200rpm.
- Cool to 25-27°C under mixing.



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- + Natural water-resistance

Description

Get a close-up protection at the beach with this refreshing sunscreen. The body feels light and guarded, cool and moisturized thanks to the bi-gel technology with Emulfree® CBG MB. It also has natural water-resistance, for a protection at all time. Thanks to Gatuline® Renew and Gatuline® In-Tense, this sunscreen helps to keep the skin young and fresh in the sun with anti-wrinkle and rejuvenating properties.

Specifications

- + Aspect:
Light yellow emulsion
- + pH = 6.6 ± 0.3
- + Viscosity Brookfield RV (spindle A, speed 5):
approx. 16 000 mPa.s after 24h
- + SPF *in vivo* (ISO 24 444): 51.7 (5 subjects)
UVA *in vitro* (ISO 24 443): 15.38
Photostability = 93%
Critical wavelength (ISO 24 443) = 376 nm

Ingredients

- **Emulfree® CBG MB** at 5% creates a light and fresh texture with a quick-break effect; it is a PEG-free and surfactant-free system which allows the formation of a “bi-gel”.
- **Cocoate™ BG** at 3% helps to stabilize and disperse the UV filters.
- Parsol® 1789 and Uvinul® A Plus are UVA filters and Uvinul® T 150, Parsol® 340, Parsol® EHS and Parsol® MCX are UVB filters allowing SPF 50. Tinosorb® M and Tinosorb® S are broadspectrum UV filters.
- Xanthan Gum and Carbopol® Aqua SF-1 OS are gelling agents that help to stabilize the formulation.
- Schercemol™ DIS Ester is an emollient that improves the feel and spreadability on the skin. Silsoft 034 is also a feeling agent.
- Hallbrite® BHB is a SPF Booster.
- **Gatuline® Renew** at 1% is a Japanese cedar tree bud extract accelerating the natural renewal process of the epidermis and making the skin look younger.
- **Gatuline® In-Tense**, an extract of acmella flowers from South Africa, reinforces the dermis architecture and has an immediate and effective smoothing action.