

Refresh & Protect Bi-gel SPF30

2708-1.08



+ Refreshing effect

+ Light texture

+ Sprayable

Phase	Name	INCI	Supplier	%
A1	DEMINERALIZED WATER	WATER	-	43.05
	BUTYLENE GLYCOL	BUTYLENE GLYCOL	-	3.00
	SATIAXANE VPC 911	XANTHAN GUM	Cargill	0.10
A2	CARBOPOL® AQUA SF-1 OS POLYMER	WATER, ACRYLATES COPOLYMER	Lubrizol	2.00
A3	SODIUM HYDROXIDE (10 % SOL.)	WATER, SODIUM HYDROXIDE	-	0.25
B	EMULFREE® CBG MB	ISOSTEARYL ALCOHOL, BUTYLENE GLYCOL COCOATE, ETHYLCELLULOSE	Gattefossé	5.00
	ACTICIRE® MB	JOJOBA ESTERS, HELIANTHUS ANNUUS (SUNFLOWER) SEED WAX, POLYGLYCERIN-3, ACACIA DECURRENS FLOWER WAX	Gattefossé	1.00
	UVINUL T 150	ETHYLHEXYL TRIAZONE	BASF	2.00
	UVINUL A PLUS	DIETHYLAMINO HYDROXYBENZOYL HEXYL BENZOATE	BASF	5.00
	TINOSORB S	BIS-ETHYLHEXYLOXYPHENOL METHOXYPHENYL TRIAZINE	BASF	2.00
	PARSOL EHS	ETHYLHEXYL SALICYLATE	DSM	5.00
	C12-15 ALKYL BENZOATE (68233)	C12-15 ALKYL BENZOATE	-	6.00
	SCHERCEMOL DIS ESTER	DIISOPROPYL SEBACATE	Lubrizol	4.00
	DPPG CG	PROPYLENE GLYCOL DIPELARGONATE	Gattefossé	2.00
	HALLBRITE BHB	BUTYL OCTYL SALICYLATE	Hallstar	2.50
	PRESERVATIVE	PRESERVATIVE	-	0.70
SCHERCEMOL PDD	DIISOSTEAROYL POLYGLYCERYL-3 DIMER DILINOLEATE	Lubrizol	2.00	
C	DEMINERALIZED WATER	WATER	-	3.00
	SODIUM HYDROXIDE (10 % SOL.)	WATER, SODIUM HYDROXIDE	-	3.40
	PARSOL HS	PHENYLBENZIMIDAZOLE SULFONIC ACID	DSM	2.00
D	CORN P04 PH B 9042	DISTARCH PHOSPHATE	Agrana	2.00
	DEMINERALIZED WATER	WATER	-	4.00
				100.00

Operating instructions

- Heat water at 75°C, add slowly under stirring premix of xanthan gum and butylene glycol, then stir for 5 min.
- Add A2 and A3 to A and mix for 5 min.
- Prepare B and heat at 82°C under stirring until complete solubilization of UV filters.
- Add slowly B (75°C) to A (75°C) under rapid mixing (2000 rpm) for 15 min.
- Cool to 45°C under moderate mixing (1000 rpm).
- Premix C and add to the emulsion under rapid mixing.
- Cool to 30°C under moderate mixing, premix D and add to the emulsion. If Corn P04 is added at a too high temperature, it swells and increases emulsion viscosity.
- Complete cooling to 25°C.

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Description

Refresh and protect your skin with this sprayable sunscreen lotion. Thanks to Emulfree® CBG MB and its bi-gel technology, the formula is very fluid and refreshing during application and brings comfort without any greasy nor tacky afterfeel.

Specifications

- + Aspect:
Glossy and slightly yellow fluid emulsion
- + pH = 7.3 ± 0.5
- + Viscosity Brookfield RV (spindle A, speed 5):
approx. 5 000 mPa.s after 24h
- + Conform to Australian, EU, Japan, UK and China regulations
SPF *in vivo* (ISO 24444): on going
UVA *in vitro* (ISO 24443): on going
WR *in vivo* (Colipa 2005): on going
Photostability: on going
Critical wavelength (ISO 24443): on going

Ingredients

- Butylene Glycol is used to help dispersing Satiaxane VPC 911.
- Carbopol® Aqua SF-1 OS Polymer and Satiaxane VPC 911 are aqueous gelling agents that improve stability.
- **Emulfree CBG MB** at 5% creates a light and fresh texture with a quick-break effect thanks to its bi-gel technology.
- **Acticire® MB** is an active texturizing agent that brings comfort and moisturization.
- Uvinul T 150, Parsol EHS and Parsol HS are UVB filters.
- Uvinul A Plus is a UVA filter.
- Tinosorb S is a broad spectrum UV filter.
- **DPPG CG**, C12-15 Alkyl Benzoate, Schercemol Dis Ester and Schercemol PDD are emollients. Schercemol PDD is also used as a water resistant agent.
- Hallbrite BHB is a SPF booster.
- Corn P04 PH B 9042 is a feeling agent that reduces tacky and greasy effect.