

Outdoor Warm-Up SPF50+
1823-3.13



+ Move it

+ Elegant paradox

+ No endocrinian disruptors

Phase	Name	INCI	Supplier	%
A1	DEMINEALIZED WATER	WATER	-	38.50
	CARBOPOL® AQUA SF-1 OS POLYMER	ACRYLATES COPOLYMER	Lubrizol	2.00
A2	BUTYLENE GLYCOL	BUTYLENE GLYCOL	-	4.00
	SATIAXANE™ CX91	XANTHAN GUM	Cargill	0.30
A3	AMPHISOL® K	POTASSIUM CETYL PHOSPHATE	DSM	0.50
	DEMINEALIZED WATER	WATER	-	6.00
A4	E.D.T.A. DISODIUM SALT	DISODIUM EDTA	-	0.10
A5	SODIUM HYDROXIDE (10 % SOL.)	WATER, SODIUM HYDROXIDE	-	0.40
B1	EMULIUM® 22	TRIBEHENIN PEG-20 ESTERS	Gattefossé	4.00
	TINOGARD® TL	BENZOTRIAZOLYL DODECYL P-CRESOL	BASF	0.50
	UVINUL® A PLUS	DIETHYLAMINO HYDROXYBENZOYL HEXYL BENZOATE	BASF	7.00
	PARSOL® EHS	ETHYLHEXYL SALICYLATE	DSM	5.00
	TINOSORB® S	BIS-ETHYLHEXYLOXYPHENOL METHOXYPHENYL TRIAZINE	BASF	3.50
	UVINUL® T 150	ETHYLHEXYL TRIAZONE	BASF	5.00
	HALLBRITE® BHB	BUTYL OCTYL SALICYLATE	Hallstar	3.50
	SCHERCEMOL™ DIS ESTER	DIISOPROPYL SEBACATE	Lubrizol	5.00
	DPPG CG	PROPYLENE GLYCOL DIPELARGONATE	Gattefossé	3.00
	C12-15 ALKYL BENZOATE	C12-15 ALKYL BENZOATE	Evonik	5.00
B2	PARSOL® TX	TITANIUM DIOXIDE, SILICA, DIMETHICONE	DSM	6.00
C	PRESERVATIVE	PRESERVATIVE	-	0.70
				100.00

Operating instructions

- Prepare A1.
- Premix A2 and add to A1. Mix until the Xanthan Gum swells.
- Heat A1+A2 up to 78°C.
- Prepare A3 and heat up to 78°C to perfectly solubilize Amphisol® K; then add to A1+A2.
- Add A4 and mix for a few minutes until complete solubilization of EDTA.
- Add A5.
- Prepare B1 and heat up to 81°C under mixing until perfect solubilization of UV filters.
- Add B2 to B1 and homogenize with Ultra-Turrax for 2 minutes.
- Add slowly B to A at 78°C and mix for 10-15 minutes at 1500 rpm.
- Cool to 35°C under mixing (about 800 rpm) and add C.
- Complete cooling to 25-27°C under mixing.

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Description

This sunscreen is the best skin warm-up for outdoor athletes. With a high SPF protection, it protects the skin from the sun during activities. It is the best solution to work out in the sun thanks to its sweatproof properties brought by Emulium® 22. This emulsifier provides a high and comfortable feeling of protection on the skin and high water-resistance to the cream.

Formulated with inorganic and organic filters and free from suspected endocrinian disruptors, this sun protection is perfect for sensitive skin.

Specifications

- + Aspect:
Light yellow cream
- + pH = 6.2 ± 0.3
- + Viscosity Brookfield RV (spindle B, speed 5):
approx. 30 000 mPa.s after 24h
- + SPF *in vivo* (ISO 24 444): 65.8 (5 subjects)
UVA *in vitro* (ISO 24 443:2021): 19
Photostability = 91%
Critical wavelength (ISO 24 443) = 374 nm
Water-Resistance *in vivo* (Colipa 2005):
75.2% (5 subjects)

Ingredients

- **Emulium® 22** at 4 % creates a rich and luxurious cream with an evanescent feel upon application and gives a mattifying effect to the film residue. It also brings water-resistance to the formulation without any help of a water-resistance agent.
- Carbopol® Aqua SF1-OS and Xanthan Gum are gelling agents that improve the stability and viscosity.
- Amphisol® K is a co-emulsifier that improves the stability of the emulsion in presence of sun filters.
- **DPPG CG** at 3% improves the sensorial properties of the formulation by creating a light and matte effect.
- Uvinul® A Plus is a UVA filter and Parsol® EHS and Uvinul® T 150 are UVB filters allowing SPF 50+. Parsol® TX is an inorganic broadspectrum UV filter.
- The association of C12-15 Alkyl Benzoate, Schercemol™ DIS Ester and **DPPG CG** allows an optimal dispersion of the sun filters.
- Schercemol™ DIS Ester is an emollient that improves the feel and spreadability on the skin.