

Dry Touch Lotion SPF50

2746-1.17



+ Evanescent feel

+ Light texture

+ Dry touch

Phase	Name	INCI	Supplier	%
A1	DEMINERALIZED WATER	WATER	-	36.20
	KELCO-CARE™ DIUTAN GUM	SPHINGOMONAS FERMENT EXTRACT	Lubrizol	0.05
A2	AMPHISOL K	POTASSIUM CETYL PHOSPHATE	DSM	0.20
B	EMULIUM® MELLIFERA MB	POLYGLYCERYL-6 DISTEARATE, JOJOBA ESTERS, CETYL ALCOHOL, POLYGLYCERYL-3 BEESWAX	Gattefossé	4.00
	COSMOSURF CE-140	STEARYL/OCTADODECYL CITRATE CROSSPOLYMER	Masso	2.00
	UVASORB HEB	DIETHYLHEXYL BUTAMIDO TRIAZONE	3 V Sigma	3.00
	UVINUL A PLUS	DIETHYLAMINO HYDROXYBENZOYL HEXYL BENZOATE	BASF	5.00
	TINOSORB S	BIS-ETHYLHEXYLOXYPHENOL METHOXYPHENYL TRIAZINE	BASF	3.00
	PARSOL EHS	ETHYLHEXYL SALICYLATE	DSM	5.00
	C12-15 ALKYL BENZOATE (68233)	C12-15 ALKYL BENZOATE	-	5.00
	PRESERVATIVE	PRESERVATIVE	-	0.70
	SCHERCEMOL DIS ESTER	DIISOPROPYL SEBACATE	Lubrizol	8.00
	DPPG CG	PROPYLENE GLYCOL DIPELARGONATE	Gattefossé	2.00
C	TINOSORB M	METHYLENE BIS-BENZOTRIAZOLYL TETRAMETHYLBUTYLPHENOL, WATER, DECYL GLUCOSIDE, PROPYLENE GLYCOL, XANTHAN GUM	BASF	8.00
	DEMINERALIZED WATER	WATER	-	2.00
D	BUTYLENE GLYCOL	BUTYLENE GLYCOL	-	4.00
	SUNHANCER™ ECO SPF BOOSTER	COPERNICIA CERIFERA (CARNAUBA) WAX, ORYZA SATIVA (RICE) BRAN WAX	Lubrizol	3.00
E	DEMINERALIZED WATER	WATER	-	4.00
	SODIUM HYDROXIDE (10 % SOL.)	WATER, SODIUM HYDROXIDE	-	2.65
	PARSOL HS	PHENYLBENZIMIDAZOLE SULFONIC ACID	DSM	2.00
F	SODIUM HYDROXIDE (10 % SOL.)	WATER, SODIUM HYDROXIDE	-	0.10
G	PERFUME DOME RELAX RS59716	PARFUM	Technico-Flor	0.10
				100.00

Operating instructions

- Heat water at 75°C and add under mixing Kelco-Care™ Diutan Gum, let the gel swell for 5 min, then add A2.
- Heat B at 80°C under mixing until complete solubilization of UV filters.
- Add B (75°C) slowly to A (75°C) under rapid mixing (2000 rpm) for 15 min.
- Add C at 60°C and mix for 5 min at 2000 rpm.
- Cool to 40-45°C, add premix D to the emulsion and homogenize with rotor stator for 2 min.
- Prepare E and add to the emulsion under moderate mixing.
- Cool to 30°C, add F and G and mix for 5 min.

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Description

Perfectly adapted for beach or daily use, this suncare lotion SPF50 formulated with Emulium® Mellifera MB spreads easily and penetrates very quickly into the skin. It leaves a very light and dry feel, as if no product had been applied.

Specifications

- + Aspect:
Glossy and slightly yellow lotion
- + pH = 7.3 ± 0.5
- + Viscosity Brookfield RV (spindle A, speed 5):
approx. 3 500 mPa.s after 24h
- + Conform to Australian, EU, UK,
MERCOSUR and China regulations
SPF *in vivo* (ISO 24444:2019): 55 (5 vol.)
UVA *in vitro* (ISO 24443:2021): 23.6
Photostability: 93%
Critical wavelength (ISO 24443:2021): 378nm

Ingredients

- Kelco-Care™ Diutan Gum is a gelling agent that improves stability.
- Amphisol K is a co-emulsifier that helps stabilizing the formula.
- **Emulium® Mellifera MB** at 4% creates a light but comfortable texture that leaves a thin and dry afterfeel.
- Cosmosurf CE-140 is a film forming agent with water resistant properties.
- Uvasorb HEB, Parsol EHS and Parsol HS are UVB filters.
- Uvinul A Plus is a UVA filter.
- Tinosorb S and Tinosorb M are broad spectrum UV filters.
- **DPPG CG**, C12-15 Alkyl Benzoate and Schercemol Dis Ester are emollients.
- Butylene Glycol is a glycol used to disperse Sunhancer™ Eco SPF Booster.
- Sunhancer™ Eco SPF Booster is a SPF booster.