

Ultra Fluid Sunscreen SPF50

2157-1.07



+ Beach use

+ Light texture

+ Non tacky

Phase	Name	INCI	Supplier	%
A1	DEMINEALIZED WATER	WATER	-	30.0
	SUNSPHERES POWDER	STYRENE/ACRYLATES COPOLYMER	Dow	3.5
	SCHERCEMOL DIS ESTER	DIISOPROPYL SEBACATE	Lubrizol	2.0
	BIO-PROPANEDIOL	PROPANEDIOL	Connect Chemicals	1.5
A2	DEMINEALIZED WATER	WATER	-	11.1
	SODIUM CHLORIDE, CODEX	SODIUM CHLORIDE	-	0.6
	E.D.T.A. DISODIUM SALT	DISODIUM EDTA	-	0.1
	MAGNESIUM SULFATE 7H2O, CODEX	MAGNESIUM SULFATE	Merck	0.6
B	EMULIUM® ILLUSTR0	POLYGLYCERYL-6 POLYHYDROXYSTEARATE, POLYGLYCERYL-6 POLYRICINOLEATE	Gattefossé	3.5
	BENTONE GEL EUG V	OCTYLDODECANOL, DISTEARDIMONIUM HECTORITE, PROPYLENE CARBONATE	Elementis	2.5
	LEXFEEL N5	DIHEPTYL SUCCINATE, CAPRYLOYL GLYCERIN/SEBACIC ACID COPOLYMER	Inolex	5.0
	SCHERCEMOL DIS ESTER	DIISOPROPYL SEBACATE	Lubrizol	2.0
	COCOATE™ BG MB	BUTYLENE GLYCOL COCOATE	Gattefossé	4.0
	PARSOL 1789	BUTYL METHOXYDIBENZOYL METHANE	DSM	3.0
	TINOSORB S	BIS-ETHYLHEXYLOXYPHENOL METHOXYPHENYL TRIAZINE	BASF	3.0
	UVINUL A PLUS	DIETHYLAMINO HYDROXYBENZOYL HEXYL BENZOATE	BASF	2.5
	PARSOL EHS	ETHYLHEXYL SALICYLATE	DSM	5.0
	PARSOL MCX	ETHYLHEXYL METHOXYCINNAMATE	DSM	6.0
	PARSOL 340	OCTOCRYLENE	DSM	5.0
	HALLBRITE BHB	BUTYL OCTYL SALICYLATE	Hallstar	3.5
	TINOGARD TL	BENZOTRIAZOLYL DODECYL P-CRESOL	BASF	1.0
	PRESERVATIVE	PRESERVATIVE	-	0.7
C	KF-96A-6CS	DIMETHICONE	Shin-Etsu	1.5
D	PERFUME DOME RELAX RS59716	PARFUM	Technico-Flor	0.4
E	SEPIMAT CP5	METHYL METHACRYLATE CROSSPOLYMER	Seppic	2.0
				100.0

Operating instructions

- Disperse Sunsppheres Powder into A1 heated to 55°C and mix with ultra-turrax (13 000 rpm) for 10 min.
- Prepare A2: heat water to 50°C, add salts and mix until complete solubilization, then add to A1.
- Heat B to 80°C until complete solubilization of UV filters, then cool under mixing until 50°C.
- Add A (50°C) slowly to B (50°C) under mixing and homogeneize with rotor stator for 10 min (3000 rpm).
- Cool under moderate stirring (800 rpm) to 35°C, then add C.
- Add D and E and homogeneize with rotor stator (2500 rpm) for 1 min.
- Cool under moderate mixing to 25°C.



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Description

This high protective sunscreen protects the skin from UV rays and allows to expose safely at the beach. Thanks to Emulium® Illustro, its application is easy and fast, and the finish on the skin is soft and light. No more sand sticking to the skin!

Specifications

- + Aspect:
Light yellow fluid emulsion
- + Viscosity Brookfield RV (spindle A, speed 5):
approx. 7 000 mPa.s after 24h
- + SPF in vivo (ISO 24444): 58.5 (5 subjects)
UVA in vitro (ISO 24443): 14.4
WR vitro: 93%
Photostability: 93%
Critical wavelength: 377 nm

Ingredients

- **Emulium® Illustro**, used at 3.5%, creates a fluid W/O emulsion. It allows a soft and comfortable texture, and a luminous finish on the skin.
- **Cocoate™ BG MB**, Lexfeel N5 and Schercemol Dis Ester are emollients which improve spreadability and bring a soft feel without any greasy sensation.
- Bentone Gel EUG V is an oil phase thickening agent which brings stability to the emulsion.
- Magnesium Sulfate and Sodium Chloride are salts which bring stability to the emulsion.
- Sunspheres Powder and Hallbrite BHB are SPF boosters.
- Parsol 1789, Tinosorb S, Uvinul A Plus, Parsol EHS, Parsol MCX and Parsol 340 are UV filters.
- Tinogard TL is a UV absorber which protects sensitive ingredients from degradation.