

Invisible Radiant Cream SPF50

1704-2.23



+

Day care

+

Light texture

+

Natural glow

Phase	Name	INCI	Supplier	%
A1	DEMINERALIZED WATER	WATER	-	23.17
	CARBOPOL® AQUA SF-1 OS POLYMER	ACRYLATES COPOLYMER	Lubrizol	3.00
A2	SATIAXANE™ CX91	XANTHAN GUM	Cargill	0.30
	BUTYLENE GLYCOL	BUTYLENE GLYCOL	-	3.00
A3	AMPHISOL® K	POTASSIUM CETYL PHOSPHATE	DSM	0.50
	DEMINERALIZED WATER	WATER	-	7.00
A4	SODIUM HYDROXIDE (10 % SOL.)	WATER, SODIUM HYDROXIDE	-	0.50
A5	E.D.T.A. DISODIUM SALT	DISODIUM EDTA	-	0.10
A6	PARSOL® HS	PHENYLBENZIMIDAZOLE SULFONIC ACID	DSM	3.00
	DEMINERALIZED WATER	WATER	-	3.00
	SODIUM HYDROXIDE (10 % SOL.)	WATER, SODIUM HYDROXIDE	-	3.75
B	EMULIUM® MELLIFERA MB	POLYGLYCERYL-6 DISTEARATE, JOJOBA ESTERS, POLYGLYCERYL-3 BEESWAX, CETYL ALCOHOL	Gattefossé	4.00
	C12-15 ALKYL BENZOATE	C12-15 ALKYL BENZOATE	-	8.00
	COCOATE™ BG	BUTYLENE GLYCOL COCOATE	Gattefossé	3.00
	TINOGARD® TL	BENZOTRIAZOLYL DODECYL P-CRESOL	BASF	0.50
	TINOSORB® S	BIS-ETHYLHEXYLOXYPHENOL METHOXYPHENYL TRIAZINE	BASF	2.50
	PARSOL® 1789	BUTYL METHOXYDIBENZOYLMETHANE	DSM	3.00
	UVINUL® A PLUS	DIETHYLAMINO HYDROXYBENZOYL HEXYL BENZOATE	BASF	2.00
	PARSOL® EHS	ETHYLHEXYL SALICYLATE	DSM	5.00
	SOLAVEIL™ ST-100	C12-15 ALKYL BENZOATE, TITANIUM DIOXIDE, POLYGLYCERYL-3 POLYRICINOLEATE, SILICA, STEARIC ACID, AMINOPROPYL TRIETHOXSILANE	Croda	9.00
	C	SODIUM HYDROXIDE (10 % SOL.)	WATER, SODIUM HYDROXIDE	-
D	CARESIL™ CES-1104	WATER, DIMETHICONE, GLYCERIN, DIMETHICONE/VINYL DIMETHICONE CROSSPOLYMER, PENTYLENE GLYCOL, PHENOXYETHANOL, AMODIMETHICONE, CARBOMER, SODIUM HYDROXIDE, DISODIUM EDTA	Nusil	5.00
E	PRESERVATIVE	PRESERVATIVE	-	0.70
	GATULINE® RADIANCE	PROPANEDIOL, EVODIA RUTAECARPA FRUIT EXTRACT	Gattefossé	2.00
	GATULINE® RC BIO	WATER, FAGUS SYLVATICA BUD EXTRACT	Gattefossé	2.00
	MIRAGE BRIGHT RED	CALCIUM SODIUM BOROSILICATE, TITANIUM DIOXIDE, TIN OXIDE	Eckart	0.80
	UNICERT YELLOW 08005-J (1.0% SOL.)	WATER, YELLOW 5	-	0.08
	UNICERT RED 07004 J (1.0% SOL.)	WATER, RED 4	-	0.08
F	ORGASOL® CARESSE	POLYAMIDE-5	Arkema	3.50
	PERFUME SNOWFLAKE	PARFUM	Firmenich	0.20
G	SODIUM HYDROXIDE (10 % SOL.)	WATER, SODIUM HYDROXIDE	-	0.42
				100.00

Operating instructions

- Prepare A1. Then premix A2, add to A1 and mix until the Xanthan Gum swells. Then heat to 75°C.
- Prepare A3 and heat to 75°C then add to batch.
- Add A4 to batch under mixing, then add A5 and mix until complete solubilization of EDTA.
- Prepare A6 and mix until complete solubilization of Parsol® HS and add to batch.

- Prepare B and heat to 80°C under mixing until complete solubilization of UV filters.
- Introduce slowly B into A under mixing and homogenize for 15 minutes at 1500 rpm.
- Cool to 50°C under moderate mixing (about 800 rpm), then add C and D under mixing and homogenize at 1500 rpm for 2 minutes.
- Complete cooling to 30°C under moderate mixing and add E and F.
- Adjust the final pH above 7.2 with phase G.



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Description

Skin is radiant and moisturized with this highly protective suncream and the help of Gatuline® RC Bio and Gatuline® Radiance, two clinically evaluated actives. The emulsifier, Emulium® Mellifera MB, provides ideal lightness upon application, despite the high UV protection, and is perfect for sensitive skin with a formulation free from suspected endocrinian disruptors.

Specifications

- + Aspect:
Very light orange glossy cream
- + pH = 7.3 ± 0.3
- + Viscosity Brookfield RV (spindle B, speed 5):
approx. 45 000 mPa.s after 24h
- + SPF *in vivo* (ISO 24444): 53.6 (4 subjects)
UVA *in vitro* (ISO 24442): 29.7
Photostability = 92%
Critical wavelength (ISO 24 443) = 380 nm
UVA / PA++++

Ingredients

- **Emulium® Mellifera MB** at 4% creates a rich and comfortable cream with an ideal lightness for a sunscreen.
- Parsol® 1789 and Uvinul® A plus are UVA filters and Parsol® EHS is a UVB filter. Tinosorb® S and Solaveil™ ST-100 are broadspectrum UV filters.
- Parsol® HS is a hydrosoluble UVB filter.
- Amphisol® K is a co-emulsifier that improves the stability in presence of sun filters.
- **Cocoate™ BG** and C12-15 Alkyl Benzoate are used to ensure optimal dispersion of the sun filters.
- Caresil™ CES-1104 and Orgasol® Caresse are feeling agents that improve the softness upon application.
- **Gatuline® Radiance** enhances all aspects of a radiant complexion, including skin color, brightness and luminosity.
- **Gatuline® RC Bio** increases skin hydration and minimizes fine lines for a healthier and younger look.

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