

Sun Protection Spray Lotion

94-06-508

Claims: Preservative free
Calculated SPF: 15*; UVA/UVB Ratio: 0.67*

Phase	Ingredient	INCI	Supplier	%
A	Deionised Water	Aqua		66.35
	Glycerol	Glycerin		3.00
	dermofeel® PA-3	Sodium Phytate, Aqua	Dr. Straetmans	0.10
	RonaCare Allantoin	Allantoin	Merck	0.10
B1	Bentone MA	Hectorite	Elementis	0.30
B2	Keltrol RD	Xanthan Gum	CP Kelco	0.20
B3	Amphisol K	Potassium Cetyl Phosphate	DSM	3.00
	Amylomer® EMU	Polyquaternium-75	Dr. Straetmans	2.00
C	Eusolex OCR	Octocrylene	Merck	5.00
	Parsol 1789	Butyl Methoxydibenzoylmethane (Avobenzone)	DSM	1.00
	dermofeel® TC-7	Triheptanoin	Dr. Straetmans	5.00
	dermofeel® BGC	Butylene Glycol Dicaprylate/Dicaprate	Dr. Straetmans	4.00
	dermofeel® GSC	Glyceryl Stearate Citrate	Dr. Straetmans	1.00
	Lanette 16	Cetyl Alcohol	Cognis	1.00
	dermofeel® E 74 A	Tocopheryl Acetate	Dr. Straetmans	1.00
	dermofeel® Toco 70 non GMO	Tocopheryl, Helianthus Annuus (Sunflower) Seed Oil	Dr. Straetmans	0.05
D	UV Titan M 170	Titanium Dioxide, Alumina, Dimethicone	Kemira	5.00
E	dermosoft® LP	Caprylyl Glycol, Glycerin, Glyceryl Caprylate, Phenylpropanol	Dr. Straetmans	1.00
	Parf. Body Firm 49312175	Parfum	Drom	0.30
	Radicare	Aqua, Melissa Officinalis, Disodium Rutinyl Disulfate, Hordeum Distichon	Rahn AG	0.50
				100.00

Manufacturing Procedure:

- Heat phase A up to 75°C. Disperse B1 completely. Dissolve B2 and add B3.
- Heat phase C up to 80°C and add D. Homogenize and verify the complete dispersion of pigments.
- Emulsify phase C/D to phase A/B while stirring. Homogenize for 1-2 min. using an Ultra Turrax.
- Cool to 40°C and add ingredients of phase E. Cool to room temperature while stirring.
- Homogenize below 30°C. Adjust pH value if necessary.

Specification Values:

Appearance: Soft white emulsion.

pH: 6.0-7.0.

Viscosity (Brookfield: Helipath TF; Speed 10): 2.000 – 4.000 mPas.

*calculated with the Ciba Sunscreen Simulator

Stability: More than 3 months stable at 20°C, 40°C and 4°C.

Microbiological Stability: Proven.

Disclaimer:

The information contained herein is meant to demonstrate how our products can be used. The given data are suggestions without any guarantee aimed to support customers' development. As production conditions at our customers' facilities are beyond our control we refuse to accept any liability involved in the use of our products. Please observe possible third party patent rights.

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