

Sprayable Sun Lotion

L015-1.6-1207

Claims: PEG-free
preservative free
Calculated SPF: 15*; UVA/UVB Ratio: 0.72*

Phase	Ingredient	INCI	Supplier	%
A	Deionised Water	Aqua		58.30
	dermofeel® PA-3	Sodium Phytate, Aqua	Dr. Straetmans	0.10
	Glycerol	Glycerin	Merck	3.00
	dermofeel® G 10 LW	Polyglyceryl 10-Laurate, Aqua	Dr. Straetmans	1.00
A1	dermosoft® LP	Caprylyl Glycol, Glycerin, Glyceryl Caprylate, Phenylpropanol	Dr. Straetmans	1.00
	Pemulen TR-2	Acrylates/C10-30 Alkyl Acrylate Crosspolymer	Neveon	0.30
B	dermofeel® GSC	Glyceryl Stearate Citrate	Dr. Straetmans	2.50
	dermofeel® TC-7	Triheptanoin	Dr. Straetmans	7.00
	dermofeel® BGC	Butylene Glycol Dicaprylate/Dicaprate	Dr. Straetmans	8.00
	DC 200	Dimethicone	Dow Corning	1.00
	Uvinul A plus	Diethylamino Hydroxybenzoyl Hexyl Benzoate	BASF	3.00
	Uvinul MC 80	Ethylhexyl Methoxycinnamate	BASF	5.00
	dermofeel® E 74 A non-GMO	Tocopheryl Acetate, Helianthus Annuus (Sunflower) Seed Oil	Dr. Straetmans	0.50
C	DC 246 Fluid	Cyclohexasiloxane, Cyclopentasiloxane	Dow Corning	1.00
D	Tinosorb M	Methylene Bis-Benzotriazolyl Tetramethylbutylphenol, Aqua, Propylene Glycol, Decyl Gucoside, Xanthan Gum	Ciba	4.00
	Deionised Water	Aqua		4.00
E	Parf. Lifetime 446614 (SCCNFP-sensitizer free up to 10% use-level)	Parfum	Symrise	0.30
F	Sodium Hydroxide (sol 10 %)	Sodium Hydroxide	Merck	q.s.
				100.00

Manufacturing Procedure:

- Heat phases A up to 75°C and disperse Pemulen TR-2 (A1).
- Heat phase B up to 75°C and add to phase A under stirring. Homogenize for 1 - 2 min. using an Ultra Turrax.
- Cool down under medium stirring and add C, D and E below 40°C.
- Cool down to room temperature and adjust pH to 6.5 – 7.0.

Specification Values:

Appearance: Sprayable yellow lotion. pH: 6.5 – 7.0.
Viscosity (Brookfield: Helipath TF 1; Speed 10): Approx. 5000 - 10 000 mPa.s.
Centrifugation: No separation.

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

*calculated with the Ciba Sunscreen Simulator

Microbiological Stability: Proven.

Disclaimer:

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