

## PEG-free Sun Milk O/W

L015-05-607

**Claims:** High Protection  
 Calculated SPF: 30\*; UVA/UVB Ratio: 0.64\*  
 PEG-free, preservative free

Phase	Ingredient	INCI	Supplier	%
A	Deionised Water	Aqua		56.50
	<b>dermofeel® PA-3</b>	Sodium Phytate, Aqua	<b>Dr. Straetmans</b>	<b>0.10</b>
	Glycerol	Glycerin	Merck	3.50
	<b>dermosoft® LP</b>	Caprylyl Glycol, Glycerin, Glyceryl Caprylate, Phenylpropanol	<b>Dr. Straetmans</b>	<b>1.00</b>
A1	Cosmedia SP	Sodium Polyacrylate	Cognis	0.20
B	<b>dermofeel® GSC</b>	Glyceryl Stearate Citrate	<b>Dr. Straetmans</b>	<b>2.50</b>
	<b>dermofeel® TC-7</b>	Triheptanoin	<b>Dr. Straetmans</b>	<b>8.00</b>
	Cutina GMS	Glyceryl Stearate	Cognis	2.00
	Lanette O	Cetearyl Alcohol	Cognis	1.00
	Cetiol B	Dibutyl Adipate	Cognis	5.00
	Neo Heliopan AV	Ethylhexyl Methoxycinnamate	Symrise	5.00
	Parsol 1789	Butyl Methoxydibenzoylmethane	DSM	3.00
	Tinosorb S	Bis-Ethylhexyloxyphenol Methoxyphenyl Triazine	Ciba Specialty Chemicals	3.00
	Uvinul T 150	Ethylhexyl Triazone	BASF	3.00
C	DC 246 Fluid	Cyclohexasiloxane, Cyclopentasiloxane	Dow Corning	2.00
D	Tinosorb M	Methylene Bis-Benzotriazolyl Tetramethylbutylphenol	Ciba	4.00
	Parf. Lifetime 446614 (SCCNFP-sensitizer free up to 10% use-level)	Parfum	Symrise	0.20
	Citric Acid (sol. 20%)	Citric Acid		q. s.
				<b>100.00</b>

### Manufacturing Procedure:

- Heat phases A up to 78°C. Add Cosmedia SP and homogenize until completely dispersed.
- Heat phase B up to 78°C. Emulsify phase B to phase A under stirring. Homogenize for 2 min. using an Ultra-Turrax.
- Cool down slowly to 60°C and add phase C.
- Cool down to room temperature. Add components of phase D and mix until homogenous.
- Adjust pH if necessary.

### Specification Values:

Appearance: Off-white lotion.

pH: 5.5 – 6.0.

Viscosity (Brookfield: Spindle 6; Speed 10): Approx. 10.000 mPa.s.

Centrifugation (4.000 rpm, 20 min.): No separation.

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

\*calculated with the  
Ciba Sunscreen  
Simulator

**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.