

HYDRATING SUN CREAM

ID-number
pH-value
appearance

SUN/SC 070
approx. 6.5
slightly yellow emulsion

| Phase | Substance | INCI Name EU | Pos. | % [w/w] |
|-----------------|---------------------|---|------|---------|
| A | Water demin | Aqua | 1 | 58.40 |
| | Glycerin 86% | Glycerin | 1 | 3.00 |
| | Tinosorb M | Methylene bis-Benzotriazolyl Tetramethylbutylphenol, Aqua, Decyl Glucoside, Propylene Glycol, Xanthan Gum | 5 | 5.00 |
| B | Carbopol Ultrez-20 | Acrylates/C10-30 Alkyl Acrylate Crosspolymer | 2 | 0.30 |
| C | Sistema SP-70C | Sucrose Stearate | 3 | 1.00 |
| | Eldew SL-205 | Isopropyl Lauroyl Sarcosinate | 4 | 2.00 |
| | Tinosorb S | Bis-Ethylhexyloxyphenol Methoxyphenyl Triazine | 5 | 1.00 |
| | Amphisol K | Potassium Cetyl Phosphate | 7 | 2.00 |
| | Lanette O | Cetearyl Alcohol | 11 | 2.00 |
| | Parsol MCX | Ethylhexyl Methoxycinnamate | 7 | 7.50 |
| | Myritol 312 | Caprylic/Capric Triglyceride | 11 | 5.00 |
| | Neo Heliopan 303 | Octocrylene | 8 | 2.50 |
| | Parsol 1789 | Butyl Methoxydibenzoylmethane | 7 | 0.70 |
| | Euxyl PE 9010 | Phenoxyethanol, Ethylhexylglycerin | 6 | 1.00 |
| Keltrol CG- SFT | Xanthan Gum | 9 | 0.20 | |
| D | NaOH-solution 10% | Sodium Hydroxide, Aqua | 1 | 1.00 |
| E | Water demin | Aqua | 1 | 5.00 |
| | Disodium EDTA | Disodium EDTA | 1 | 0.10 |
| F | RADICARE® | Aqua, Melissa Officinalis Leaf Extract, Disodium Rutinyl Disulfate, Hordeum Distichon Extract | 10 | 0.30 |
| G | CellActive® - HYDRO | Glycerin, Aqua, Pyrus Malus Fruit Extract, Pectin, Chlorella Vulgaris/Lupinus Albus Protein Ferment | 10 | 2.00 |

Production

Prepare A
Add B whilst stirring, heat to 75°C
Mix C until the phase is homogenous, heat to 75°C
Add C to A/B, homogenize shortly
Add D and E, homogenize until homogenous
Cool down to 40°C whilst stirring
Add the remaining ingredients separately to the emulsion
Homogenize again, cool down to 25°C whilst stirring

Pos. Manufacturer

1 Several
2 Lubrizol, USA
3 Sistema B.V., Netherland
4 Ajinomoto, Japan
5 Ciba, Switzerland
6 Schülke & Mayr, Germany
7 DSM, Netherland
8 Symrise, Germany
9 CP Kelco, USA
10 RAHN AG, Switzerland
11 Cognis, Germany

Ciba Sunscreen Simulator: SPF 46, Australian Standard: yes

Disclaimer:

The information contained herein is, to our best knowledge, true and accurate, but all recommendations or suggestions are made without guarantee. It shows a formula thought as a support by developing with our raw materials.