

# SPF 50 SUN LOTION (SPF 50 expected) with AGENAJEL 20.313



**"Formulated and developed by Azelis Personal Care EMEA (ref. 1044-1-1)"**

Excellent Sun Lotion with modern robust UV protection and antioxidative effects against oxidative stress. It is added AGENAJEL 20.313 which enable a unique system for a high tolerance against electrolytes, providing stability and effectiveness.

| Ingredients                                  | INCI-Name                                                                                          | % w/w       | Supplier           |
|----------------------------------------------|----------------------------------------------------------------------------------------------------|-------------|--------------------|
| <b>Phase A</b><br>SUPREME                    | Polyglyceryl-3 Rice Branate, Cetearyl Alcohol, Sucrose Stearate                                    | 5,00        | Sinerga            |
| MiyoFILM® CCTG (75%)                         | Dextrin Isostearate, Caprylic/Capric Triglyceride                                                  | 1,00        | Miyoshi            |
| Eclipsogen® EHT                              | Ethylhexyl Triazone                                                                                | 3,50        | Clariant           |
| Uvinul® A Granular                           | Diethylamino Hydroxybenzoyl Hexyl Benzoate                                                         | 3,00        | BASF               |
| Eusolex® 9020                                | Butyl Methoxydibenzoylmethane                                                                      | 2,00        | Merck              |
| Eclipsogen® SORB S                           | Bis-Ethylhexyloxyphenol Methoxyphenyl Triazine                                                     | 4,00        | Clariant           |
| Eusolex® OS                                  | Ethylhexyl Salicylate                                                                              | 5,00        | Merck              |
| Blanova® Cetearyl Alcohol 50/50 RSPO MB      | Cetearyl Alcohol                                                                                   | 0,50        | Azelis             |
| RonaCare® AP                                 | Bis-Ethylhexyl Hydroxydimethoxy Benzylmalonate                                                     | 0,50        | Merck              |
| DUB Helioptima MB                            | Diisopropyl Adipate, Diisopropyl Sebacate, Propylene Glycol Dicaprylate/ Dicaprate, Alkyl Benzoate | 14,50       | Stéarinerie Dubois |
| <b>Phase B</b><br>Deionised Water            | Aqua                                                                                               | 37,40       |                    |
| OUVRICARE® T                                 | Xanthan Gum                                                                                        | 0,10        | PMC Ouvrie         |
| Carephos® N                                  | Sodium polyphosphate                                                                               | 0,50        | ICL Global         |
| Nipaguard® SCA                               | Sorbitan Caprylate, Benzyl Alcohol                                                                 | 1,00        | Clariant           |
| <b>AGENAJEL 20.313</b>                       | <b>Hydroxypropyl Starch Phosphate</b>                                                              | <b>2,50</b> | <b>AGRANA</b>      |
| DUB DIOL                                     | Methylpropanediol                                                                                  | 4,00        | Stéarinerie Dubois |
| RonaCare® Ectoin IQ                          | Ectoin                                                                                             | 0,50        | Merck              |
| <b>Phase C</b><br>Deionised Water            | Aqua                                                                                               | 10,00       |                    |
| Eusolex® 232                                 | Phenylbenzimidazole Sulfonic Acid                                                                  | 2,50        | Merck              |
| NaOH (18%)                                   | Aqua, Sodium Hydroxide                                                                             | 2,10        |                    |
| Carephos® M                                  | Sodium Phosphate                                                                                   | 0,30        | ICL Global         |
| <b>Phase D</b><br>Liquitint™ Pacific Blue CC | Propylene Glycol, Aqua, C.I. 42090                                                                 | 0,10        | Milliken           |

#### MIXING INSTRUCTION AND PROCESS:

Neutralize phase C (pH 7) until it is clear.  
Heat phases A and B to approx. 70°C.  
Add phase A to phase B and homogenize (microscope).  
Re-homogenize at approx. 35 °C and adjust pH to 7.  
Add phase C to phase AB.  
Add phase D to phase ABC.

#### PHYSICOCHEMICAL INDEX:

Appearance: slightly tinted, viscous cream  
Storage Test: 3 months @ 40°C; 1 month @ 50°C; 5 x TGC -18/+40°C



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