

# 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 againts electrolytes, providing stability and effectiveness.

Ingredients	INCI-Name	% w/w	Supplier
<b>Phase A</b>			
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>			
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>			
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>			
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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