



Member of Croda International Plc

Development formulation

Day cream with sunscreen with VENUCEANE™ (*) & LUMISPHERE™ (**) SED1202995 D

(*) Venuceane: Patent N° WO 2002/066668

(**) Lumisphere: Patent N° WO 2004/024695

		% by wt
Part A		
Water deionised	-	Qsp 100
Part B		
Butylene Glycol	-	4.00
Phenoxyethanol [❖]	-	qs
Magnesium Aluminium Silicate		0.80
Xanthan Gum		0.70
Part C		
Arlacel 2121-FL-(MV) [Sucrose Cocoate (&) Sorbitan stearate]	Croda	2.50
Crodacol S95-PA-(RB) [Stearyl Alcohol]	Croda	2.00
Tween 60-LQ-(MV) [Polysorbate 60]	Croda	2.00
Crodamol IPIS-LQ-(MV) [Isopropyl Isostearate]	Croda	5.00
Crodamol GTEH-LQ-(MV) [Triethylhexanoin]	Croda	5.00
Crodamol HD-LQ-(RB) [Isohexadecane]	Croda	7.50
Solaveil CT-300-LQ-(WD) [TiO2 (and) Caprylic/Capric Triglyceride]	Croda	8.00
Solaveil CZ-300-LQ-(WD) [ZnO2 (and) Caprylic/Capric Triglyceride]	Croda	4.00
Part D		
Water deionised	-	6.00
Lactic Acid	-	0.60
Part E		
Lumisphere™ [Water (&) Titanium Dioxide (&) Polysorbate 20 (and) Cetyl Hydroxyethylcellulose (&) Polymethylmethacrylate (&) Tritaurin (&) Diacetyl Boldine]	Sederma	4.00
Part F		
Venuceane™ [Thermus Thermophilus Ferment (and) Glycerin]	Sederma	3.00
Part G		
Fragrance (Orchid)	Expressions Parfumées	0.10

[❖] The addition of Osmocide™4 allows reducing the concentration of traditional preservatives



Member of Croda International Plc

Development formulation

Day cream with sunscreen with VENUCEANE™ (*) & LUMISPHERE™ () SED1202995 D**

(*) Venuceane: Patent N° WO 2002/066668

(**) Lumisphere: Patent N° WO 2004/024695

Method

Weigh Part A.

Weigh and mix Part B.

Sprinkle Part B gradually into Part A with Staro stirring (s=1300 rpm) until complete dispersion.

After 1 hour stirring, activate the Veegum thanks to a very strong stirring during 1 minute.

Heat Part A+B to 80°C in bain-marie.

Weigh and heat Part C to 80°C in bain-marie. Mix well.

Combine Part C with Part A+B with Staro stirring (s=1000 rpm)

Keep stirring (s=300 rpm) for 1 hour in bain-marie at 80°C.

Pour Part D into the previous part with Staro stirring (s=1000 rpm) out of bain-marie.

Add Part E with Staro stirring (s=1000 rpm).

Add Part F with Staro stirring (s=300 rpm) and homogenize well for 1 hour.

Add Part G, homogenize well.

This formulation has been subject to limited stability tests and has been shown to perform well. However formulators adopting this approach should ensure to their own satisfaction long term stability and functionality. It is good practice to conduct safety tests on all final formulations prior to marketing. Suggested uses should not be taken as an inducement to infringe any existing patents.

Non-guarantee: The information in this publication is given in good faith by Sederma by way of general guidance and for reference purposes only. The information should not be construed as granting a license to practice any methods or compositions of matter covered by patents. Sederma assumes no liability in relation to the information and gives no warranty regarding the suitability of the product and/or ingredients described for a particular use. The use made of the product and/or ingredients described by the recipient and any claims or representations made by the recipient in respect of such product and/or ingredients are the responsibility of the recipient. The recipient is solely responsible for ensuring that products marketed to consumers comply with all relevant laws and regulations.

Sederma SAS - 29, rue du Chemin Vert BP 33 - 78612 Le Perray-en-Yvelines Cedex - France
Tel ++33 1 34 84 10 10 Fax ++33 1 34 84 11 30