



Secret Shell - W/Si+O Skin Protection Cream

This amazing biomimetic skin cream takes its inspiration from the lotus leaf, shedding pollution particles to keep skin looking healthy and clean. It forms a continuous, non-occlusive barrier that is neither tacky nor greasy — yet feels rich and moisturising. **Dow Corning® FA 4002 ID Silicone Acrylate** reduces adhesion of pollution particles (patented — pending technology). The aqueous phase is emulsified by **Dow Corning® ES-5300 Formulation Aid**, a highly flexible W/O, W/Si emulsifier which provides low viscosity emulsions with a light sensory feel.



	Trade name	INCI name	Supplier	%	
A	1	Aqua (Water)	Univar*	71.8	
	2	Sodium Chloride		1.0	
	3	Glc 99%	Glycerin	Kao Chemicals Europe/Univar*	5.0
	4	Dow Corning® FA 4002 ID Silicone Acrylate	Isododecane (and) Acrylates/ Polytrimethylsilyloxymethacrylate Copolymer	Dow Corning/Univar*	5.0
	5	Xiameter® PMX 200 Silicone Fluid 2 cs	Dimethicone	Xiameter/Univar*	5.0
B	6	Dow Corning® ES 5300 Formulation AID	Lauryl PEG-10 Tris(trimethylsiloxy)silylethyl Dimethicone	Dow Corning/Univar*	2.0
	7	Creasil ID-CG	Isododecane	Creation Couleur	2.0
	8	Primol 352	Paraffinum Liquidum	ExxonMobil/Univar*	3.0
	9	Jasmin Eau SY121123	Fragrance	Kao Fragrances/Univar*	0.2
	10	Rofetan AB	C12-15 Alkyl Benzoate	Ecogreen/Univar*	3.0
C	11	Germall Plus	Propylene Glycol (and) Diazolidinyl Urea (and) Iodopropynyl. Butylcarbamate	ISP	0.5
	12	Propylene Glycol	Propylene Glycol	Univar*	1.5

* Please contact your regional Univar sales representative to ensure that mentioned products are distributed in your country.

Reference: 050215.CC(U)

Issued by: Univar's European PC Laboratory in Brussels, Belgium

Contact: personalcareEMEA@univar.com | www.univar.com

Disclaimer – Univar BV and its affiliates (“Univar”) offers this suggested formulation as a representative formulation only. It is not a commercialized product. Univar relies on information and data from its suppliers on which to base this suggested formulation, but Univar has not subjected the suggested formulation to any testing for performance, efficacy or safety. Univar makes no warranties, express or implied, related to this suggested formulation, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Additionally, Univar has not done any patent search on the suggested formulation. BEFORE USE, YOU MUST TEST THE FORMULATION, OR ANY VARIANCE THEREOF, TO DETERMINE ITS PERFORMANCE, EFFICACY AND SAFETY. FURTHERMORE, IT IS YOUR RESPONSIBILITY TO OBTAIN ANY NECESSARY GOVERNMENT CLEARANCE, LICENSE OR REGISTRATION. BY TAKING THIS SUGGESTED FORMULATION, YOU HEREBY AGREE TO DEFEND AND HOLD UNIVAR HARMLESS FROM ANY CLAIM OF INTELLECTUAL PROPERTY INFRINGEMENT. Any suggested uses are not inducements to infringe any patent and should not be taken as such. © 2015, Univar Inc. All rights reserved. Univar, the hexagon and the Univar logo are registered trademarks of Univar Inc. Certain trademarks are owned by third parties, are used to identify the goods and services identified by those marks, and are the property of their rightful owners. 00007598-2015

Procedure (Cold Process)

1. Mix ingredients of phase A with stirring and until homogeneous.
2. Mix ingredients of phase B with stirring and until homogeneous.
3. Add slowly phase A into phase B with stirring until homogeneous.
4. Add phase C with stirring and until homogeneous.
5. Homogenize with high shear (Ultra Turrax - 1 min/100 g).

Stability

Stable for at least 1 month at room temperature and 40°C (stability testing still ongoing for longer period of time).

Comments

- Viscosity (spindle 5; 60 rpm; 1 min) = 4,880 cPs (73.2%)
- Inspired from the lotus leaf, **5% FA 4002 ID Silicone Acrylates** in Secret Shell enabled creating a micro-roughened surface and led to **lower pollution particle adhesion** versus the control.
- Formula issued from “Secret Shell – Skin Protection Cream” (CPF 01909) from our partner Dow Corning.

