

CITY SHIELD URBAN SKIN PROTECTOR

Don't let the city take away your glam. This total protection moisturizing cream will offer you curative and preventive benefits to shield your skin from harsh climates, pollution and free radical scavengers. Start your day the right way and give your skin all it needs to lock in moisture and combat the visible signs of aging caused by daily urban life. **#cityshield**

AgeCap™ Smooth Cosmetic Ingredient: anti-aging active with prolonged efficacy versus conventional anti-oxidants. Contributes to healthy skin by softening the appearance of wrinkles, promoting skin radiance and delivering skin smoothing effect.

DOWSIL™ ES-5300 Formulation AID: efficient W/O emulsifier with high oil phase flexibility. Gives light skin feel.

DOWSIL™ FA 4003 DM Silicone Acrylate: highly efficient long lasting and anti-transfer film former with comfortable wear properties. Imparts a preventing anti-pollution approach by creating a flexible film and reducing particle adhesion on the skin.

Puresyn™ 2: emollient with a low viscosity and a fast spreading rate.

Moringa Oil Crude: mechanically cold-pressed oil, very good emollient properties.



Trade name	INCI name	Function	Supplier	%
Phase A1				
	Water (Aqua)	Solvent	Univar*	Q.S: 72.1
	Sodium Chloride	W/O stabilizer	Univar*	1.0
Phase A2				
AgeCap™ Smooth Cosmetic Ingredient	Methoxyhydroxyphenyl Isopropyltrione	Anti-aging active	Dow / Univar*	0.1
	Glycerin	Humectant, vegetable origin	Univar*	4.0
Phase B				
DOWSIL™ ES-5300 Formulation AID	Lauryl PEG-10 Tris(trimethylsiloxy) silylethyl Dimethicone	W/O emulsifier	Dow / Univar*	2.0
DOWSIL™ FA 4003 DM Silicone Acrylate	Dimethicone (and) Acrylates/ Polytrimethylsiloxymethacrylate Copolymer	Film former, anti-pollution	Dow / Univar*	10.5
	Isododecane	Emollient		3.0
Puresyn™ 2	Hydrogenated Polydecene	Emollient	ExxonMobil / Univar*	3.0
Moringa Oil Crude	Moringa oleifera Seed Oil	Vegetable oil	Earthoil by Univar*	3.0
Vitamin E Acetate	Tocopheryl Acetate	Antioxidant	Rita	0.5
Phase C				
Kem Wipe	Caprylyl Glycol, Glycerin, Benzoic Acid	Preservative	Akema / Univar*	0.8

Procedure (Warm process)

1. Premix sodium chloride in water until homogeneous
2. Solubilize **AgeCap™ Smooth Cosmetic Ingredient** in glycerin while heating to 50°C. Stir until a clear homogeneous phase is obtained
3. Incorporate phase A2 to phase A1 and mix until homogeneous
4. Separately, combine ingredients of phase B in the order listed while mixing until homogeneous
5. Add slowly phase A to phase B under mixing at 800 rpm
6. Mix phase AB under high shear for 2 minutes
7. Add phase C ingredient

Comments

- Viscosity (spindle 6; 10 rpm; 1 min) = 91,600 cPs (91,6%)
- ANTI-POLLUTION (Particle Adhesion in vitro): low adhesion level. Test performed by our partner Dow.
- Application: Apply it on your face as a day cream.
- Off white brilliant cream
- Formula inspired by our partner Dow "Secret Shell W-in-Oil Skin Cream Formulation 01909"

Stability

Stable at least 1 month at 4°C, RT and 40°C (still ongoing)

Campaign: Connection – Millennial Beauty | FR5118 4 | Issued by: Univar's EMEA PC Laboratory in Versailles, France

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