

# JET SET SPF 50+ SOLAR GEL CREAM

Hello, meet your new best friend. This easy glide, gel-cream has a light and non-greasy texture with a very high broad-spectrum sun protection and no whitening effect. The perfect skincare protection for jet-setters of all shades. You will want to reapply this refreshing texture to keep yourself protected. Whether you're headed to the mountains or to the sea, don't forget to pack a few tubes in your luggage. **#nowhitestreaks #noredspots #fullycovered**

**SunSpheres™ Powder:** SPF booster that works with broad-spectrum organic and inorganic UV filters.

**ACULYN™ 33A Polymer:** alkali-swellable anionic acrylic polymer emulsion (ASE), liquid and cold processable. Excellent suspending properties that improve the formula stability with a low impact on viscosity for a light sensory.

**Olivem® 2020:** naturally inspired polymeric emulsifier based on olive oil chemistry that efficiently stabilizes all types of emulsions. Great moisturization properties and gives exceptional sensory benefits.

**DOWSIL™ 3901 Liquid Satin Blend:** sensory enhancer silicone that provides intense lubricity, luxurious satin-like feel, perceived moisturization and smoothness.

**EPITEX™ 66 Polymer:** ready-to-use water-based film forming polymer with good rub-off resistance and provides excellent water-resistance properties.

**Avobrite®:** cost-effective photostabilizer of avobenzene, which quenches excited states faster than octocrylene. Also shows film forming properties.

**TRIS AMINO™ ULTRA PC:** 100% biodegradable multifunctional additive, neutralizing agent with excellent safety profile.



Trade name	INCI name	Function	Supplier	%
<b>Phase A</b>				
	Water (Aqua)	Solvent	Univar*	Q.S: 53.95
	Glycerin	Humectant, vegetable origin	Univar*	2.0
SunSpheres™ Powder	Styrene / Acrylates Copolymer	SPF booster	Dow / Univar*	2.5
ACULYN™ 33A Polymer	Acrylates Copolymer	Emulsion stabilizer	Dow / Univar*	1.75
Olivem® 2020	Ethylhexyl Olivate, Sodium Acrylates Copolymer, Polyglyceryl-4 Olivate	Cold process emulsifier, naturally-derived	Hallstar / Univar*	1.4
<b>Phase B1</b>				
	Ethylhexyl Methoxycinnamate	UV filter		6.0
	Ethylhexyl Salicylate	UV filter		3.0
	Butyl Methoxydibenzoylmethane	UV filter		1.0
	Ethylhexyl Triazone	UV filter		2.0
	Diethylamino Hydroxybenzoyl Hexyl Benzoate	UV filter		6.0
HALLBRITE® BHB	Butyloctyl Salicylate	Sunscreen solvent	Hallstar / Univar*	6.5
Avobrite®	Acrylates Copolymer	Photostabilizer	Hallstar / Univar*	2.0
<b>Phase B2</b>				
DOWSIL™ 3901 Liquid Satin Blend	Dimethicone/Vinyl Dimethicone Crosspolymer (and) Dimethicone	Sensory enhancer	Dow / Univar*	2.0
XIAMETER™ PMX-200 Silicone Fluid, 2 cSt	Dimethicone	Emollient	Dow / Univar*	5.0
<b>Phase C</b>				
TRIS AMINO™ ULTRA PC (20% solution in water)	Tromethamine	Multifunctional additive, neutralizing agent	ANGUS® / Univar*	1.2
<b>Phase D</b>				
EPITEX™ 66 Polymer	Acrylates Copolymer	Film former	Dow / Univar*	2.5
Kem Nat	Benzyl Alcohol, Glyceryl Caprylate, Glyceryl Undecylenate	Preservative, COSMOS approved	Akema / Univar*	1.2

### Procedure (Warm process)

- In the main vessel, add ingredients of phase A: use high shear (Silverson/Ultra-Turrax for 10-15 min at 7,500 rpm) to disperse the SunSpheres™ Powder and mix well after addition of Olivem® 2020 until homogenous. Note that Olivem® 2020 has to be homogenized before use (shake/mix well)
- Prepare separately phases B1 and B2.  
You can warm up phase B1 to help dissolve the powders
- Add phase B1 to phase A under high shear and then add phase B2
- Add phase C and phase D to phase AB

### Comments

- pH = 6.68
- Viscosity (spindle 6; 10 rpm; 1 min) = 260,400 cPs (65.1%)
- SPF measured in vitro: 72 with UVA labelling, broad-spectrum protection. Test performed by our partner Hallstar.
- In vitro SPF increase of 15.36% for 1% of SunSpheres™ Powder. Test performed by our partner Dow.
- Application: Apply all over your body. Make sure to reapply every 2 hours to keep protected.
- White-yellow gel-cream

### Stability

Stable at least 2 months at RT, 4°C and 40°C (still ongoing)

Campaign: Connection – Millennial Beauty | FR2018 9  
Issued by: Univar's EMEA PC Laboratory in Versailles, France

\*Please contact your regional Univar Sales Representative to ensure that mentioned products are distributed in your country.

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. 10660-2018

