

univarevolution

# Mineral Precision Facial Sunstick



No one likes greasy creams and sticky hands. Our precision stick gives 100% mineral, SPF 50+ coverage on-the-go. It melts in contact with your skin and guarantees protection against UV rays whether you're on the slopes or catching waves.

**HALLBRITE® BHB:** sunscreen actives solvent with a lower irritation potential, good carrier, emollient and moisturizer. SPF booster.

**SunSpheres™ Powder:** SPF booster working with broad spectrum organic and inorganic UV filters, while maintaining waterproof characteristics.

**DOWSIL™ VM-2270 Aerogel Fine Particles:** improves stability and avoids syneresis.

**HALLBRITE® EZ-FLO TDX:** easy-to-use and highly stable dispersion of titanium dioxide showing no particle perception and minimal whitening in use. **Naturality: (50%) mineral titanium dioxide.**

**HALLBRITE® EZ-FLO ZDX:** highly stable and easily pourable photo protected dispersion of zinc oxide. **Naturality: (50%) mineral zinc oxide.**

**Syntadex 50 Biodegradable:** first biodegradable petroleum jelly of mineral origin, with an original texture and an exceptional purity.

**Agri-Pure™ AP-620:** hydrogenated coconut oil based natural emollient with softening properties for the skin.

**Sensolene®:** emollient with great sensoriality. Restores the skin barrier and prevents water loss. Brings softness and spreadability to the product. **Naturality >50% and readily biodegradable.**

Trade name	INCI name	Function	Supplier	%
<b>Phase A</b>				
	C12-15 Alkyl Benzoate	Sunscreen solvent		Q.S: 13.6
<b>HALLBRITE® BHB</b>	Butyloctyl Salicylate	Sunscreen solvent, emollient	<b>Hallstar / Univar*</b>	4.0
<b>SunSpheres™ Powder</b>	Styrene/ Acrylates Copolymer	SPF booster	<b>Dow / Univar*</b>	5.0
<b>Phase B</b>				
<b>Cerilla 19-BF</b>	<i>Candelilla cera / Cera alba / Glyceril stearate</i>	Structuring agent, <b>100% natural</b>	<b>Baerlocher / Univar*</b>	9.0
<b>Cerauba TI BIO</b>	<i>Copernicia cerifera cera</i>	Structuring agent, <b>COSMOS approved</b>	<b>Baerlocher / Univar*</b>	9.0
<b>DOWSIL™ VM-2270 Aerogel Fine Particles</b>	Silica Silylate	Oil phase thickener, stabilizer	<b>Dow / Univar*</b>	0.3
<b>HALLBRITE® EZ-FLO TDX</b>	Butyloctyl Salicylate, Titanium Dioxide (nano), Triceteareth-4 Phosphate, Dimethicone Crosspolymer, Silica	UV filter	<b>Hallstar / Univar*</b>	10.0
<b>HALLBRITE® EZ-FLO ZDX</b>	Zinc Oxide [Zinc Oxide] (60%), Butyloctyl Salicylate, Triceteareth-4 Phosphate, Triethoxycaprylylsilane	UV filter	<b>Hallstar / Univar*</b>	20.0
<b>Phase C</b>				
<b>Syntadex 50 Biodegradable</b>	<i>Petrolatum</i>	Emollient	<b>Aiglou Groupe / Univar*</b>	10.0
<b>Agri-Pure™ AP-620</b>	Hydrogenated Coconut Oil	Emollient, <b>100% natural</b>	<b>Cargill / Univar*</b>	10.0
<b>Biochemica® Shea Butter Refined</b>	<i>Butyrospermum parkii</i> (Shea) Butter	Emollient, <b>COSMOS approved</b>	<b>Hallstar / Univar*</b>	4.0
<b>Sensolene®</b>	Ethylhexyl Olivatate	Dermollient, <b>naturally-derived</b>	<b>Hallstar / Univar*</b>	4.0
<b>Inchol®</b>	<i>Plukenetia volubilis</i> Seed Oil	Natural oil, <b>ECOCERT approved</b>	<b>Aiglou Groupe / Univar*</b>	0.5
<b>Vitamin E Acetate</b>	Tocopheryl Acetate	Anti-oxidant	<b>Rita / Univar*</b>	0.5
<b>Vida-Caps 1231</b>	Aqua (and) Parfum (and) Acacia Senegal gum (and) Alpha Isomethyl Ionone (and) Chitosan* (and) Limonene (and) Benzyl Alcohol (and) Citronellol (and) Coumarin (and) Geraniol (and) Linalool (and) Potassium Sorbate (and) Citric acid (and) Xanthan gum *non-animal derived	Fragrance capsules	<b>Lambson / Univar*</b>	0.1

### Procedure (Hot process)

1. Disperse **SunSpheres™ Powder** in the other ingredients of phase A under high shear (Silverson / Ultra-Turrax for at least 20 min at 7,000 rpm) until a homogenous solution is obtained. Heat phase A to 75-85°C
2. Separately combine ingredients of phase B and heat while mixing to 75-85°C
3. Maintain heat while adding phase A to phase B and agitate until uniform
4. Allow phase AB to cool down. Below 60°C, add ingredients of phase C in the order listed, while mixing to ensure uniformity between additions
5. At 55-65°C, pour into stick packaging that were preheated at 40°C. Allow to cool down at RT

### Stability

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

### Comments

- SPF measured in vitro: 50+
- Application: Apply it liberally on your face and spread gently with fingertips until total absorption.
- Off-white stick that melts on the skin.
- Formula inspired from our partner Dow's "Non-aqueous Sunscreen Stick Formulation"

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

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