

Sun Salutation

SPF 50

Beach Yoga? Park Yoga? If you are an avid outdoorsman this fluid SPF 50 sunscreen oil is for you. It offers excellent sun protection with sweat proof properties that are sure to keep you looking cool during your outdoor yoga sessions. Namaste.

- › **ETHOCEL™ Standard 100 Premium:** naturally-derived oil thickener and film former, used with octyldodecanol for better compatibility.
- › **Hallbrite® BHB:** sunscreen actives solvent with a lower irritation potential, good carrier, emollient and moisturizer. SPF booster.
- › **EXCEPARI® LM-LC:** vegetable origin emollient with excellent UV-filter solubilizing properties, high spreadability and little oily feel.
- › **AvoBrite®:** cost-effective photostabilizer which quenches excited states faster than Octocrylene (Vida-Care SP-6). It also shows film-forming properties.
- › **Sensolene®:** biodegradable lipid derived from olive oil with a biomimetic activity. Improves formula spreadability, has great sensorial properties, a high dermocompatibility and a pro-barrier effect. China-compliant.

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 **UNIVAR®**
PERSONAL CARE

Trade name	INCI name	Function	Supplier	%
Phase A				
	Octyldodecanol	Emollient		11.4
	C12-15 alkyl benzoate	Emollient		28.0
ETHOCEL™ Standard 100 Premium	Ethylcellulose	Thickener, film former	Dow / Univar*	1.5
Phase B				
Hallbrite® BHB	Butyloctyl Salicylate	Sunscreen solvent, emollient	Hallstar / Univar*	3.0
EXCEPARL® LM-LC	Lauryl Lactate	Sunscreen solvent, emollient	Kao Chemicals Europe / Univar*	10.0
AvoBrite®	Acrylates Copolymer	Photostabilizer	Hallstar / Univar*	5.0
Vida-Care SP-7	Butyl Methoxydibenzoylmethane	UV-filter	Lambson / Univar*	1.3
Vida-Care SP-9	Ethylhexyl Triazone	UV-filter	Lambson / Univar*	4.0
Vida-Care SP-2	Ethylhexyl Dimethyl PABA	UV-filter	Lambson / Univar*	5.0
Vida-Care SP-6	Octocrylene	UV-filter	Lambson / Univar*	10.0
Vida-Care SP-10	Diethylamino Hydroxybenzoyl Hexyl Benzoate	UV-filter	Lambson / Univar*	10.0
Phase C				
Sensolene®	Ethylhexyl Oliviate	Emollient, sensory enhancer	Hallstar / Univar*	10.0
Vitamin E Acetate	Tocopheryl Acetate	Anti-oxidant	Rita / Univar*	0.5
Neon Touch SY155886	Fragrance	Fragrance	Kao Fragrances / Univar*	0.3

Procedure (Hot process)

- Mix and heat phase A to 70-75°C until completely clear and homogenous
- In a separate vessel, premix and heat phase B to 80°C until completely clear and homogenous
- Add phase B to phase A under gentle stirring and allow to cool down to room temperature
- Below 40°C, add phase C ingredients one by one under gentle stirring

Stability

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

Comments

- SPF in vitro results : SPF 50+ (average of 80).
- Viscosity (spindle 2; 20 rpm; 1 min) = 530 cPs (26.5%).
- China compliant formulation.
- Application: Spray and apply all over your skin before and during sun exposure.
- Yellow oily liquid.