

Formulation Inspiration

from

Hallstar Beauty Labs

Spring 2023



HALLSTAR 
B E A U T Y

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*Patented and Patent Pending

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HallStar[®] C1215
Alkyl Benzoate Natural

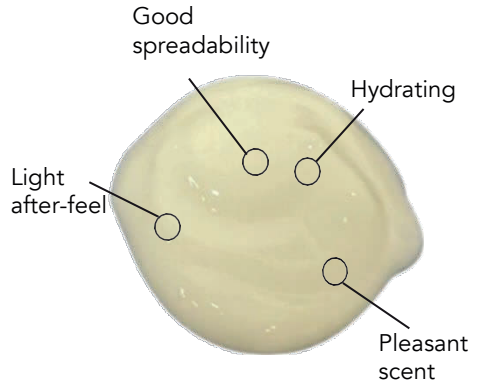
New Ingredient, Same INCI



Multifunctional Face Lotion

Formula Number: JZ15-198

With its combination of HallStar® C1215 Alkyl Benzoate Natural, FILL Oléoactif®, and BLUE Oléoactif®, this lotion provides intense moisturization, blue light protection and outstanding wrinkle reduction, leaving your skin feeling soft, smooth, and fresh. Olivem® 1000 is used as a self-emulsifier, and Biochemica® Tangerine Butter contributes an appealing natural fragrance.



BLUE Oléoactif®

Effectively protects cells from urban pollution and blue light, and boosts cells' defense system.

FULL Oléoactif®

Removes skin roughness and reduces appearance of wrinkles.

Biochemica® Coffee Butter

Nourishes and smooths skin and contributes a natural, invigorating scent.

HallStar® C1215 Alkyl Benzoate Natural

An emollient for skin-softening and moisture-sealing with a light and silky after-touch.

Biochemica® Vitamin E Natural

A powerful biological antioxidant agent.

Olivem® 1000

PEG-free self-emulsifying multifunctional ingredient with a deeply moisturizing effect.

Phase	INCI Name [INN/USAN] (Other Information)	Trade Name	% Wt	Function
A	Glycerin		2.50	Humectant
	Xanthan Gum (pharma grade)		0.20	Thickener (Aqueous)
B	Disodium EDTA		0.05	Chelating Agent
	Water (Aqua) (deionized)		Up to 100	Volatile Carrier
C	Glycine Soja (Soybean) Oil (and) Polyglyceryl-3 Diisostearate (and) Oryza Sativa (Rice) Germ Extract (and) Oryza Sativa (Rice) Extract	BLUE Oléoactif®	1.00	Active Ingredient
	Olea Europaea (Olive) Fruit Oil (and) Polyglyceryl-4 Oleate (and) Myrtus Communis Leaf Extract (and) Olea Europaea (Olive) Leaf Extract	FILL Oléoactif®	1.00	Active Ingredient
	Hydrogenated Vegetable Oil, Prunus Amygdalus Dulcis (Sweet Almond) Oil, Coffea Arabica (Coffee) Seed Oil	Biochemica® Coffee Butter	2.00	Emollient/Natural Fragrance
	C12-15 Alkyl Benzoate	HallStar® C1215 Alkyl Benzoate Natural	10.00	Multifunctional Emollient
	Tocopherol	Biochemica® Vitamin E Natural	0.20	Antioxidant Agent
	Cetearyl Olivatate, Sorbitan Olivatate	Olivem® 1000	4.00	Self-Emulsifier/ Liquid Crystal Maker
D	Preservative		a.n.	Preservative

Preparative procedure

In a main vessel, add premixture of phase A and phase B with mixing and heat up to 80 - 85°C. In a second vessel, add phase C and heat up to 75-80°C with mixing. When both phases are uniform, add phase C into phase AB with continued mixing until uniform. Cool down. When <50°C, add phase D with mixing until uniform. Add the water that was lost with mixing.

Product characteristics (25°C)

Appearance: Off-white lotion

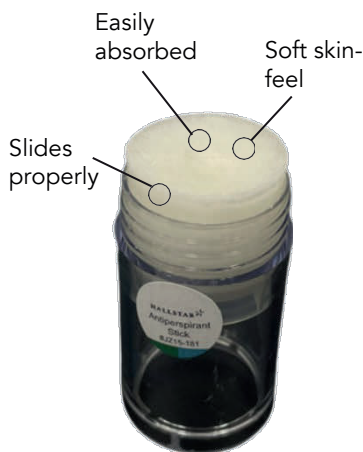
pH: 5.0 – 6.0

Viscosity (10 rpm, Brk, RVDV-E, T-B, after 24h at room temperature, mPa·s): 6000 - 10000

PEG- and D5 Silicones-Free Antiperspirant Stick

Formula Number: JZ15-181

This PEG-free and D5 silicones-free antiperspirant is your choice for daily use. A combination of HallStar® CO-1895 Stearyl Alcohol and Olivem® 900 provides a stable structure and smooth texture. Its light skin feel is created by the combination of HallStar® C1215 Alkyl Benzoate Natural and HallStar® IPP-NF.



HallStar® C1215 Alkyl Benzoate Natural

An emollient for skin-softening and moisture-sealing with a light conditioning and silky after-feel, as well as a wetting agent for natural ingredients.

HallStar® CO-1895 Stearyl Alcohol NF

An opacifier, thickener and physical structuring agent.

HallStar® IPP-NF

Nonocclusive, non-oily, low viscosity emollient.

Olivem® 2090

Contributes good skin-feel to stick formulations.

Olivem® 900

PEG-free multifunctional wax used to enhance formulation structure.

Phase	INCI Name [INN/USAN] (Other Information)	Trade Name	% Wt	Function
A	C12-15 Alkyl Benzoate	HallStar® C1215 Alkyl Benzoate Natural	Up to 100	Emollient/ Wetting Agent
	Dimethicone (5 cSt)		10.00	Silicone Oil
	Isopropyl Palmitate	HallStar® IPP-NF	5.00	Emollient
	Polyglyceryl-4 Olivatate/ Polyricinoleate	Olivem® 2090	1.50	Dispersing Agent
B	Sorbitan Olivatate	Olivem® 900	10.00	Structuring Agent
	Stearyl Alcohol	HallStar® CO-1895 Stearyl Alcohol	27.00	Structuring Agent
C	Aluminum Zirconium Tetrachlorohydrate GLY		15.40	Active Ingredient
	Silica (spherical, 12 µm)		5.00	Deoiling Agent

Preparative procedure

Heat phase A to 75 - 80°C in main vessel; while mixing, add phase B at 75 - 80°C. When batch is uniform, turn off heat. At 65°C, pour into packaging and allow to cool to room temperature.

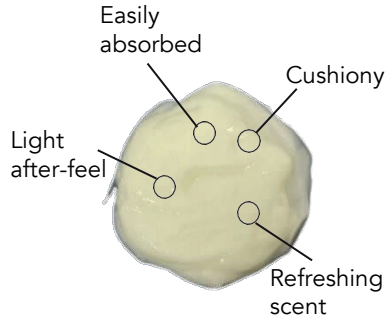
Product characteristics (25°C)

Appearance: hard stick

PEG-Free Hydration Body Cream

Formula Number: JZ15-185B

This PEG-free Hydration Body Cream is made with vegan, cruelty-free ingredients for healthy skin care. HallStar® C1215 Alkyl Benzoate Natural combined with Biochemica® Turmeric Butter provides ultimate skin-softening, antioxidant and moisture-sealing benefits. Biochemica® Tangerine Butter imparts a natural, energizing citrus aroma and additional moisturization properties. Skin is left feeling deeply nourished and silky smooth.



HallStar® C1215 Alkyl Benzoate Natural

An emollient for skin-softening and moisture-sealing with a light conditioning and silky after touch to the skin.

HallStar® CO-1895 Stearyl Alcohol NF

An opacifier, emulsion thickener and viscosity stabilizer.

Olivem® 1000

PEG-free self-emulsifying multifunctional ingredient to provide a deep moisturizing effect.

Oliwax® LC

Generates liquid crystal structures for improving hydration.

Biochemica® Shea Butter Organic

Balances dermal moisture content and provides structure

Biochemica® Cocoa Butter Deodorized

Enhances skin moisturization and reduces trans-epidermal water loss; its steep melting curve makes it ideal for body care products.

Biochemica® Tangerine Butter

Provides excellent spreadability and a pleasant, natural fragrance.

Biochemica® Turmeric Butter

Powerful anti-inflammatory emollient.

Phase	INCI Name [INN/USAN] (Other Information)	Trade Name	% Wt	Function
A	C12-15 Alkyl Benzoate	HallStar® C1215 Alkyl Benzoate Natural	10.00	Emollient
	Butyrospermum Parkii (Shea) Butter	Biochemica® Shea Butter Organic	5.00	Emollient
	Theobroma Cacao (Cocoa) Seed Butter	Biochemica® Cocoa Butter Deo	4.00	Emollient
	Prunus Amygdalus Dulcis (Sweet Almond) Oil, Citrus Tangerina (Tangerine) Peel Oil, Hydrogenated Vegetable Oil	Biochemica® Tangerine Butter	3.00	Emollient/Natural Fragrance
	Butyrospermum Parkii (Shea) Butter, Elaeis Guineensis (Palm) Butter, Cocos Nucifera (Coconut) Oil, Simmondsia Chinensis (Joboba) Seed Oil, Curcuma Longa (Turmeric) Root Extract, Bisabolol	Biochemica® Turmeric Butter	2.00	Emollient
B	Stearyl Alcohol	HallStar® CO-1895 Stearyl Alcohol	3.00	Structuring Agent
	Cetearyl Oliviate, Sorbitan Oliviate	Olivem® 1000	3.00	Self-Emulsifier/ Liquid Crystal Maker
	Cetyl Palmitate, Sorbitan Palmitate, Sorbitan Oliviate	Oliwax® LC	2.00	Co-Emulsifier/ Liquid Crystal Promoter
C	Water (Aqua)		Up to 100	Volatile Carrier
	Disodium EDTA		0.05	Chelating Agent
	Glycerin		6.00	Humectant
D	Preservative		0.60	Preservative

Preparative procedure

To a secondary vessel, add phase A and start mixing and heat to 80°C and then add phase B. To the main vessel, add phase C, then heat up to 75 - 80°C with mixing. When both phases are homogeneous and at their designated temperatures, slowly add phase AB to phase C with prop mixing. After 5 minutes start cooling batch and when batch is < 50°C mix in phase D, one ingredient at a time. Continue mixing until batch is at room temperature, replacing any water lost to evaporation and mixing until smooth.

Product characteristics (25°C)

Appearance: smooth cream

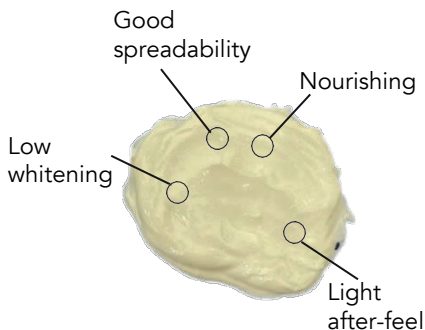
pH: 5.0 – 6.0

Viscosity (10 rpm, Brk, RVDV-E, T-B, after 24h at room temperature, mPa·s): 60000 - 80000

ZnO Sunscreen SPF 60

Formula Number: JZ15-196B

This ZnO sunscreen cream provides SPF 60 protection without using organic UV filters. PEG-free Olivem® 2090 is the sole emulsifier in its cold-process W/O emulsification. HallStar® C1215 Alkyl Benzoate Natural provides good dispersing action for ZnO powder. The addition of Hallstar Beauty's SolaPure™ Glo enhances sunscreen efficacy and contributes moisturizing and antioxidant properties. In vitro analysis suggests SPF ~ 62, PFA (PPD COLIPA 2011) ~ 18, UVA1/UV = 0.80, and critical wavelength 372 nm.



HallStar® C1215 Alkyl Benzoate Natural

Provides skin softening, light conditioning and silky after-touch, and acts as a wetting agent for dry powders.

SolaStay® S1

Provides rapid and efficient excited state quenching of avobenzene, protecting it from photodegradation and improving sunscreen performance.

HallBrite® BHB

Provides sunscreen solvency and emolliency; dilutes UV package's high density to provide lighter skin feel.

SolaPure™ Glo

Delivers anti-inflammatory and antioxidant benefits, improves sun protection's SPF and PFA performance and promotes overall skin wellbeing.

Olivem® 2090

Good liquid emulsifier for cold process and contributes benefit for dispersing ZnO.

HallStar® Zinc Stearate

Creates a good network for the oil phase, stabilizing the emulsion.

Phase	INCI Name [INN/USAN] (Other Information)	Trade Name	% Wt	Function
A	Vegetable Oil (and) Simmondsia Chinensis(Jojoba) Seed Oil (and) Curcuma Longa (Turmeric) Root Extract	SolaPure™ Glo	6.00	Multifunctional Emollient
	C12-15 Alkyl Benzoate	HallStar® C1215 Alkyl Benzoate Natural	22.00	Emollient/ Wetting Agent
	Ethylhexyl Methoxycrylene	SolaStay® S1*	3.00	Photostabilizer
	Butyloctyl Salicylate	HallBrite® BHB	5.00	Sunscreen Solvent/ Emollient
	Polyglyceryl-4 Olivatate/Polyricinoleate	Olivem® 2090	4.00	Multifunctional Cold Process Emulsifier
B	Zinc Oxide, Triethoxycaprylylsilane		25.00	UV Filter/ Sunscreen Agent
	Zinc Stearate	HallStar® Zinc Stearate	0.50	Thickener
C	Glycerin		3.00	Humectant
	Water (Aqua)		Up to 100	Volatile Carrier
	Sodium Chloride		1.00	Stabilizing Agent
	Preservative		a.n.	Preservative

Preparative procedure

To the main vessel, add phase A and heat up to melt SolaPure™ Glo completely with mixing until uniform, then add phase B and mix until uniform. To a secondary vessel, add phase C. When AB and C phases are homogeneous, very slowly add phase C to phase AB. After combination, strongly mix or homogenize for 10 minutes or until uniform.

Product characteristics (25°C)

Appearance: off-white cream

Viscosity (10 rpm, Brk, RVDV-E, T-B, after 24h at room temperature, mPa·s): 45000 - 55000

FLL Oksaktif[®] Formulations

Day/Night Wrinkle-Filling Duo



All-Day Dreamy Face Serum

Formula Number: CS23-094-01A

This facial serum exhibits a very light touch and fast absorption, hydrating the skin all day long. The exclusive formula includes FILL Oléoactif® which acts to remodel skin, remove roughness and improve cell regeneration. The unique texture created by Olivem® 2020 makes daily use comforting and calming for your skin. The formulation is also enriched with the multifunctional active emollient Sensolene® Light ET for a light feel and powerful antioxidant benefits. Eurol® BT smoothes and hydrates thanks to its anti-irritant and antioxidant activities. Enrich and hydrate your skin with this daily serum.

Phase	INCI Name [INN/USAN] (Other Information)	Trade Name	% Wt	Function
A	Water (Aqua) (deionized)		up to 100	Volatile Carrier
	Olea Europaea (Olive) Leaf Extract, Water	Eurol® BT	0.30	Multifunctional Active Ingredient
	Propanediol		3.00	Humectant
	Trisodium Ethylenediamine Disuccinate (37% active)		0.30	Chelating Agent
B	Ethylhexyl Olivatate, Sodium Acrylates Copolymer, Polyglyceryl-4 Olivatate	Olivem® 2020	1.75	Multifunctional Cold Process Emulsifier
	Ethyl Olivatate, Olea Europaea (Olive) Leaf Extract	Sensolene® Light ET	1.50	Multifunctional Emollient
	Olea Europaea (Olive) Fruit Oil (and) Polyglyceryl-4 Oleate (and) Myrtus Communis Leaf Extract (and) Olea Europaea (Olive) Leaf Extract	FILL Oléoactif®	1.00	Active Ingredient
	Tocopherol	Biochemica® Vitamin E Natural	0.20	Antioxidant Agent
C	Silica		1.00	Texturizing Agent
	Preservative		a.n.	Preservative

Preparative procedure

Prepare the phase A and B separately. Mix well the phase B until to obtain a homogeneous dispersion. Add the phase B to the phase A, homogenizing using a suitable dispersion unit (Silverson) for 2 minutes. Add the phase C and homogenize using a suitable dispersion unit (Silverson) for 2 minutes.

Product characteristics (25°C)

Appearance: beige soft cream

pH: 6.0 – 6.5

Viscosity (10 rpm, Brk, RVDV-E, T-B, after 24h at room temperature, mPa-s): 4000 - 7000

All-Night Leave-On Mask

Formula Number: CS23-094-02C

The anhydrous formulation is specially developed as a night mask for mature skin. It imparts powerful emollient, moisturizing, soothing, restorative and dermo-protective properties thanks to Sensolene® Light ET, Biochemica® Turmeric Butter and Biochemica® Matcha Green Tea Butter. Olivem® 900 and Oliwax® give the formulation structure and a pleasant feel by creating a protective film on the skin. The formula includes FILL Oléoactif®, which acts to remodel skin, remove roughness and improve cell regeneration. The non-greasy texture and nourishing effect provide a comfortable wear all night long. 99.9% of this formula's content is of natural origin, according to ISO 16128-2:2017 standards.

Phase	INCI Name [INN/USAN] (Other Information)	Trade Name	% Wt	Function
A	Copernicia Cerifera Cera (Copernicia Cerifera (Carnuaba) Wax)		3.00	Structuring Agent
	Oryza Sativa (Rice) Bran Wax		11.50	Structuring Agent
	Hydrogenated Olive Oil, Olea Europaea (Olive) Fruit Oil, Olea Europaea (Olive) Oil Unsaponifiables	Oliwax®	11.50	Structuring Agent
	Sorbitan Olivatate	Olivem® 900	3.00	Structuring Agent
	Octyldodecanol		up to 100	Emollient
	Ethyl Olivatate, Olea Europaea (Olive) Leaf Extract	Sensolene® Light ET	5.00	Multifunctional Emollient
	Dicaprylyl Ether		5.00	Emollient
	Butyrospermum Parkii (Shea) Butter, Elaeis Guineensis (Palm) Butter, Cocos Nucifera (Coconut) Oil, Simmondsia Chinensis (Jojoba) Seed Oil, Curcuma Longa (Turmeric) Root Extract, Bisabolol	Biochemica® Turmeric Butter	3.00	Emollient
	Prunus Amygdalus Dulcis (Sweet Almond) Oil, Hydrogenated Vegetable Oil, Camellia Sinensis Leaf Powder	Biochemica® Matcha Green Tea Butter	3.00	Emollient
	Tocopherol	Biochemica® Vitamin E Nat	0.20	Antioxidant Agent
	Olea Europaea (Olive) Fruit Oil (and) Polyglyceryl-4 Oleate (and) Myrtus Communis Leaf Extract (and) Olea Europaea (Olive) Leaf Extract	FILL Oléoactif®	1.00	Active Ingredient
	Silica		5.00	Soft Focus Agent
	Silica, Titanium Dioxide, Iron Oxides		5.00	Soft Focus Agent
	Aluminum Starch Octenylsuccinate		2.50	Absorbent

Preparative procedure

Heat phase A up to 80-85°C and pour the product in proper packaging.

Product characteristics (25°C)

Appearance: pale yellow stick

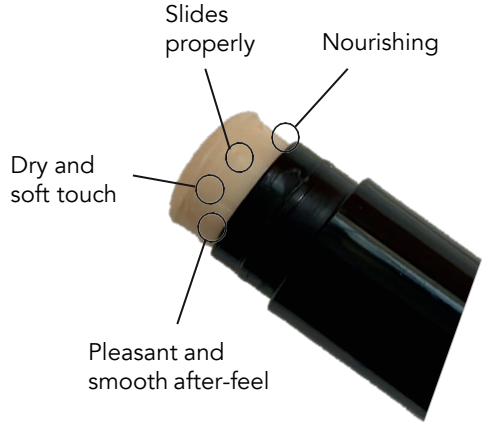
Mediterranean Beauty



All-Night Leave-On Mask

Formula Number: CS23-094-02C

The anhydrous formulation is specially developed as a night mask for mature skin. It imparts powerful emollient, moisturizing, soothing, restorative and dermo-protective properties, thanks to the presence of Sensolene® Light ET, Biochemica® Turmeric Butter and Biochemica® Matcha Green Tea Butter. Olivem® 900 and Oliwax® give the formulation structure and a pleasant feel by creating a protective film on the skin. The formula includes FILL Oléoactif®, which acts to remodel skin, remove roughness, and improve cell regeneration. The non-greasy texture and nourishing effect provide a comfortable wear all night long. 99.9% of this formula's content is of natural origin, according to ISO 16128-2:2017 standards.



Olivem® 900

Imparts structure to the formulation

Oliwax®

Works properly in anhydrous system

Sensolene® Light ET

Has skin hydration properties and imparts a light touch

Biochemica® Turmeric Butter

Contains powerful antioxidant and anti-inflammatory properties

Biochemica® Matcha Green Tea Butter

Provides moisturization for dry and damaged skin

FILL Oléoactif®

Has a wrinkle-filler effect and restores younger skin architecture

Phase	INCI Name [INN/SAN] (Other Information)	Trade Name	% Wt	Function
A	Copernicia Cerifera Cera (Copernicia Cerifera (Carnuaba) Wax)		3.00	Structuring Agent
	Oryza Sativa (Rice) Bran Wax		11.50	Structuring Agent
	Hydrogenated Olive Oil, Olea Europaea (Olive) Fruit Oil, Olea Europaea (Olive) Oil Unsaponifiables	Oliwax®	11.50	Structuring Agent
	Sorbitan Olivatate	Olivem® 900	3.00	Structuring Agent
	Octyldodecanol		up to 100	Emollient
	Ethyl Olivatate, Olea Europaea (Olive) Leaf Extract	Sensolene® Light ET	5.00	Multifunctional Emollient
	Dicaprylyl Ether		5.00	Emollient
	Butyrospermum Parkii (Shea) Butter, Elaeis Guineensis (Palm) Butter, Cocos Nucifera (Coconut) Oil, Simmondsia Chinensis (Jojoba) Seed Oil, Curcuma Longa (Turmeric) Root Extract, Bisabolol	Biochemica® Turmeric Butter	3.00	Emollient
	Prunus Amygdalus Dulcis (Sweet Almond) Oil, Hydrogenated Vegetable Oil, Camellia Sinensis Leaf Powder	Biochemica® Matcha Green Tea Butter	3.00	Emollient
	Tocopherol	Biochemica® Vitamin E Natural	0.20	Antioxidant Agent
	Olea Europaea (Olive) Fruit Oil (and) Polyglyceryl-4 Oleate (and) Myrtus Communis Leaf Extract (and) Olea Europaea (Olive) Leaf Extract	FILL Oléoactif®	1.00	Active Ingredient
	Silica		5.00	Soft Focus Agent
	Silica, Titanium Dioxide, Iron Oxides		5.00	Soft Focus Agent
	Aluminum Starch Octenylsuccinate		2.50	Absorbent

Preparative procedure

Heat phase A up to 80-85°C and pour the product in proper packaging.

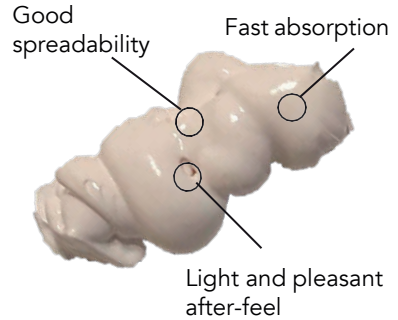
Product characteristics (25°C)

Appearance: pale yellow stick

Au Naturel Body Defense Lotion SPF 30

Formula Nuber: MD22-001-01P

Protect your skin from the sun with a gentle yet functional face and body lotion. This sunscreen offers ample SPF 30 sun protection, guaranteeing protection and hydration. It is a 100%-mineral sunscreen with titanium dioxide and zinc oxide that forms a protective barrier on your skin's surface to help reflect the sun's UVA and UVB rays without irritating it. Olivem® 1000 and Olivem® VS Feel provide a light and melting texture, fast drying. SolaPure™ Glo is a multifunctional butter with anti-inflammatory activity, control hyperpigmentation and improves sun protection's SPF and PFA performance. BLUSH Oléoactif® works enhancing skin conditions. Au Naturel Body Defense Lotion is great for use while enjoying all outdoor activities!



98.7% of this formula's content is of natural origin, according to ISO 16128-2:2017 standards. *In vitro* analysis suggests SPF ~ 32, PFA (PPD COLIPA 2011) ~ 14 and critical wavelength 378 nm.

Olivem® 1000

Works as a primary emulsifier, providing a creamy and nourishing texture.

Olivem® 2090

Helps to disperse the pigments obtaining an easily spreadable sun care lotion.

Eurol® BT

Actively moisturize the skin's hydrolipid film.

Olivem® VS Feel

Helps sustain and structure O/W systems.

BLUSH Oléoactif®

Prevents and reduces skin redness.

SolaPure™ Glo

Improves sun protection's SPF and PFA performance.

Phase	INCI Name [INN/SAN] (Other Information)	Trade Name	% Wt	Function
A	Water (Aqua)		up to 100	Volatile Carrier
	Olea Europaea (Olive) Leaf Extract, Water	EuroI® BT	0.50	Multifunctional Active Ingredient
	Trisodium Ethylenediamine Disuccinate (37% active)		0.30	Chelating Agent
	Propanediol		3.00	Humectant
	Xanthan Gum		0.25	Thickener (Aqueous)
B	Cetearyl Olivatate, Sorbitan Olivatate	Olivem® 1000	3.50	Self-Emulsifier/Liquid Crystal Maker
C	Zinc Oxide [Zinc Oxide], Jojoba Esters		10.00	UV Filter/Sunscreen Agent
	Titanium Dioxide, Jojoba Esters, Stearic Acid		5.00	UV Filter/Sunscreen Agent
	Polyglyceryl-4 Olivatate/Polyricinoleate	Olivem® 2090	0.75	Dispersing Agent
	Caprylic/Capric Triglyceride		12.00	Emollient
D	Brassica Campestris (Rapeseed) Seed Oil (and) Polygonum Tinctorium Leaf Extract	BLUSH Oléoactif®	2.00	Active Ingredient
	Vegetable Oil (and) Simmondsia Chinensis (Jojoba) Seed Oil (and) Curcuma Longa (Turmeric) Root Extract	SolaPure™ Glo	5.00	Multifunctional Emollient
	Dextrin Isosterate, Caprylic/Capric Triglyceride		1.00	Film Former
	Cetearyl Alcohol, Cetyl Palmitate, Sorbitan Palmitate, Sorbitan Oleate	Olivem® VS Feel	2.50	Co-Emulsifier/ Liquid Crystal Maker
E	Citric Acid		a.n.	pH Adjuster
	Preservative		a.n.	Preservative
	Silica		1.50	Texturizing Agent

Preparative procedure

In the main vessel prepare phase A and disperse the thickener using a suitable dispersion unit (Silverson) and heat up to 80-85°C. In a secondary vessel prepare phase C and mix until uniform, then add phase D to phase C and heat it up to 75-80°C. Add the Olivem® 1000 flakes directly into the hot phase A, under magnetic stirring. Stir for 2 minutes and then homogenize for 1 minute, using a suitable dispersion unit (Silverson). Add phase CD to phase AB and homogenize using a suitable dispersion unit (Silverson). Cool down under gentle stirring. Add the ingredients of the phase E and homogenize using a suitable dispersion unit (Silverson).

Product characteristics (25°C)

Appearance: white soft cream

pH: 6.5 - 7.5

Viscosity (Brk, RVDV-E, Sp 4, 20 rpm, after 24 h at room temperature; mPa·s): 25000 - 30000

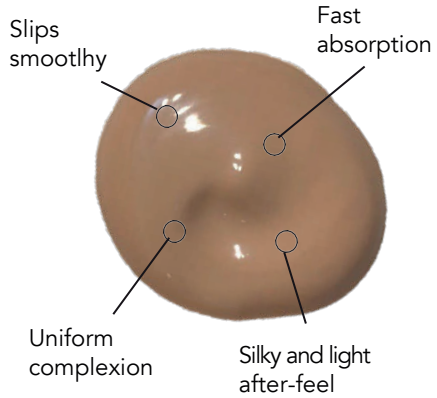
Light and Long-Lasting Foundation SPF 15

Formula Number: CS22-442-01C

Light and comfortable cold process foundation, with SPF 15 protection along with an elegant face cream feel it dries quickly on the skin, making the complexion uniform. The enjoyable and long-lasting texture is guaranteed by the Olivem® 2090 emulsifier and the multifunctional emollient Sensolene® Light ET. The formula is enriched with CLEAR Oléoactif®, which smoothes and minimizes imperfections, and EuroI® BT with its antioxidant, antimicrobial and anti-irritation action.

For a protective action against UV rays, the formula has been formulated with inorganic pigments to reach SPF 15. *In vitro* analysis suggests SPF ~ 17, PFA (PPD COLIPA 2011) ~ 8 and critical wavelength 382 nm.

97.8% of this formula's content is of natural origin, according to ISO 16128-2:2017 standards.



Olivem® 2090

W/O emulsifier that creates a rich yet light moisturizing formula.

Sensolene® Light ET

An active emollient which absorbs quickly and gives a smooth skin feel.

EuroI® BT

A natural blend of polyphenols compounds, used in this formula for its anti-oxidant, anti-irritant and antibacterial benefits.

CLEAR Oléoactif®

Holistic skin perfecter

HallStar® Zinc Stearate

Helps to stabilize the oil phase.

Phase	INCI Name [INN/SAN] (Other Information)	Trade Name	% Wt	Function
A	Water (Aqua)		up to 100	Volatile Carrier
	Propanediol		2.00	Humectant
	Olea Europaea (Olive) Leaf Extract, Water	Eurol® BT	0.50	Multifunctional Active Ingredient
	Magnesium Sulfate		1.00	Stabilizing Agent
B	Titanium Dioxide (79-87 %wt) (and) CI 77491 (and) CI 77492 (and) CI 77499 (Iron Oxides 6-13 %wt) (and) Silica (2-6 %wt)		7.00	Pigment
	Dicaprylyl Carbonate		3.00	Emollient
	Zinc Oxide (100-130 nm particle size)		5.00	UV Filter/Sunscreen Agent
	Coconut/Palm Kernel Alkanes		6.00	Volatile Carrier
	Caprylic/Capric Triglyceride		9.00	Emollient
	Polyglyceryl-4 Olivatate/Polyricinoleate	Olivem® 2090	3.50	Multifunctional Cold Process Emulsifier
C	Ethyl Olivatate, Olea Europaea (Olive) Leaf Extract	Sensolene® Light ET	3.00	Multifunctional Emollient
	Camelina Sativa Seed Oil (and) Thymus Vulgaris (Thyme) Flower/Leaf/Stem Extract	CLEAR Oléoactif®	1.25	Active Ingredient
	Caprylic/Capric Triglyceride, Stearalkonium Hectorite, Propylene Carbonate		4.00	Lipogelling Agent
	Zinc Stearate	HallStar® Zinc Stearate	1.00	Thickener (Nonaqueous)
D	Preservative		a.n.	Preservative
	Aluminum Starch Octenylsuccinate		2.50	Absorbent

Preparative procedure

Prepare phase A and stir with magnetic stirrer for 1 minute. Prepare separately phase B and mix with the spatula. Add the ingredients of phase C to phase B and mix, using a suitable dispersion unit (Silverson) for 2 minutes. Add very slowly the phase A to phase BC mixing with anchor stirrer at 250 rpm. Stir phase ABC with anchor stirrer for 2 minutes at 250 rpm. Homogenize the phase ABC, using a suitable dispersion unit (Silverson) for 2 minutes. Add phase D homogenizing using a suitable dispersion unit (Silverson) for 1 minute.

Product characteristics (25°C)

Appearance: beige soft cream

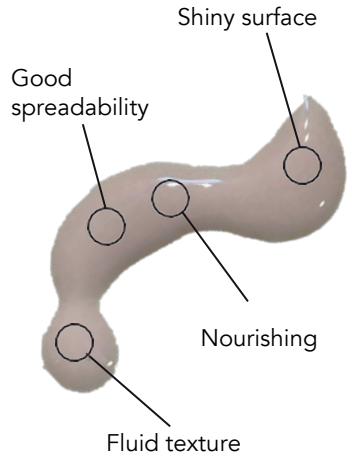
Viscosity (Brk, RVDV-E, Sp 4, 20 rpm, after 24 h at room temperature; mPa·s): 4000-7000

Spring Morning Dew Lotion

Formula Number: MD21-001-03D

This fluid emulsion has lenitive and soothing properties. Olivem® 2090 enables a non-greasy, rich but spreadable cream with a nourishing and moisturizing effect. The formula is ideal for sensitive and dry skin, thanks to the anti-oxidant activity of EuroI® BT and anti-redness properties of BLUSH Oléoactif®. The latter also creates the formulation's pleasant light pink color. Biochemica® Marula Oil Virgin moisturizes the skin while providing protection from environmental stressors.

How to use: Apply gently on face, including eye area, in a circular, upward motion. Or for body application, rub a quarter-size amount of lotion between palms before using both hands to massage the lotion on skin in gentle circular motions.



Olivem® 2090

New W/O emulsifier that creates a rich, spreadable and not greasy formula.

Biochemica® Marula Oil Virgin

Improves skin moisturization.

EuroI® BT

Imparts anti-inflammatory and anti-oxidant activities

BLUSH Oléoactif®

Prevents and reduces skin redness and adds a pleasant light pink color to the emulsion

Phase	INCI Name [INN/USAN] (Other Information)	Trade Name	% Wt	Function
A	Water (Aqua)		up to 100	Volatile Carrier
	Propanediol		2.00	Humectant
	Magnesium Sulfate		1.00	Stabilizing Agent
	Olea Europaea (Olive) Leaf Extract, Water	EuroI® BT	0.50	Multifunctional Active Ingredient
B	Sclerocarya Bierra Seed Oil	Biochemica® Marula Oil Virgin	4.50	Emollient
	Caprylic/Capric Triglyceride		4.50	Emollient
	Brassica Campestris (Rapeseed) Seed Oil (and) Polygonum Tinctorium Leaf Extract	BLUSH Oléoactif®	2.00	Active Ingredient
	Dicaprylyl Carbonate		8.00	Emollient
	Polyglyceryl-4 Olivatate/Polyricinoleate	Olivem® 2090	3.00	Multifunctional Cold Process Emulsifier
	Tocopherol	Biochemica® Vitamin E Natural	0.20	Antioxidant Agent
	Silica		0.60	Thickener (Nonaqueous)
C	Preservative		a.n.	Preservative

Preparative procedure

Prepare phase A and stir with magnetic stirrer for 1 minute. Prepare separately phase B and stir with anchor stirrer at 250rpm. Add very slowly the phase A to phase B while mixing with anchor stirrer at 250rpm. Stir the phase AB with anchor stirrer for 2 minutes at 250rpm. Homogenize the phase AB, using a suitable dispersion unit (Silverson) for 2 minutes. Add the phase C and D using a suitable dispersion unit (Silverson) for 1 minute.

Product characteristics (25°C)

Appearance: fluid pink cream

Viscosity (Brk, RVDV-E, Sp 6, 20 rpm, after 24 h at room temperature; mPa·s): 8000-11000

Pajamas Body Butter

Formula Number: 131-19-02D

After a stressful, activity-filled day, pamper and regenerate your mind and skin with this rich, nourishing post-shower body butter. Formulated with natural origin ingredients and pleasantly scented with notes of lavender, orange and tangerine, it gives an immediate feeling of well-being and relaxation. Biochemica® Lavender and Citrus Butters deeply nourish tired and dry skin, leaving a light but long-lasting fragrance. Tocopherol and the multifunctional active Euro|® BT provide high antioxidant activity. Pajamas Body Butter's rich, non-greasy formula is ideal for massaging into skin before putting on your pajamas and falling asleep.

Phase	INCI Name [INN/USAN] (Other Information)	Trade Name	% Wt	Function
A	Water (Aqua) (deionized)		up to 100	Volatile Carrier
	Olea Europaea (Olive) Leaf Extract, Water	Euro ® BT	0.50	Multifunctional Active Ingredient
	Glycerin		5.00	Humectant
	Trisodium Ethylenediamine Disuccinate		0.30	Chelating Agent
	Carrageenan		0.30	Thickener (Aqueous)
B	Cetearyl Olivatate, Sorbitan Olivatate	Olivem® 1000	4.00	Self-Emulsifier/ Liquid Crystal Maker
	Cetearyl Alcohol, Cetyl Palmitate, Sorbitan Palmitate, Sorbitan Oleate	Olivem® VS Feel	3.00	Co-Emulsifier/ Liquid Crystal Maker
	Ethyl Olivatate, Olea Europaea (Olive) Leaf Extract	Sensolene® Light ET	7.00	Multifunctional Emollient
	Prunus Amygdalus Dulcis (Sweet Almond) Oil, Hydrogenated Vegetable Oil, Lavandula Angustifolia (Lavender) Extract	Biochemica® Lavender Butter	2.00	Emollient/Natural Fragrance

Formulation continued on following page.

Phase`	INCI Name [INN/USAN] (Other Information)	Trade Name	% Wt	Function
B (cont.)	Prunus Amygdalus Dulcis (Sweet Almond) Oil, Hydrogenated Vegetable Oil, Citrus Aurantium Dulcis (Orange) Peel Oil	Biochemica® Orange Butter	2.50	Emollient/Natural Fragrance
	Prunus Amygdalus Dulcis (Sweet Almond) Oil, Citrus Tangerina (Tangerine) Peel Oil, Hydrogenated Vegetable Oil	Biochemica® Tangerine Butter	1.00	Emollient/Natural Fragrance
	Hydrogenated Olive Oil, Olea Europaea (Olive) Fruit Oil, Olea Europaea (Olive) Oil Unsaponifiables	Oliwax®	1.50	Structuring Agent
	Orbignya Oleifera Seed Oil	Biochemica® Babassu Oil Ultra Ref	1.50	Emollient
	Tocopherol	Biochemica® Vitamin E Nat	0.10	Antioxidant Agent
C	Rosa Centifolia Flower Water		5.00	Active Ingredient
	Lavandula Angustifolia (Lavender) Flower Water		10.00	Active Ingredient
	Anthemis Nobilis Flower Water		5.00	Active Ingredient
	Preservative		a.n.	Preservative
D	Fragrance (Parfum)		a.n.	Fragrance (Parfum)
	Lactic Acid (80%)		a.n.	pH Adjuster

Preparative procedure

Prepare phase A and heat it up to 75 - 80°C, dispersing the Carrageenan using a suitable dispersion unit (Silverson). Prepare phase B and heat it up to 70 - 75°C. Add phase B to phase A at 70 - 75°C, homogenizing using a suitable dispersion unit (Silverson). Cool down phase AB to 40°C under gentle stirring. Add phase C to phase AB, homogenizing using a suitable dispersion unit (Silverson). Add phase D to phase ABC, homogenizing using a suitable dispersion unit (Silverson).

Product characteristics (25°C)

Appearance (25°C): White cream

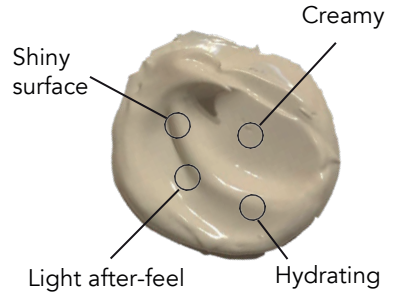
pH: 5.0 – 5.5

Viscosity (10 rpm, Brk, RVDV-E, T-B, after 24h at room temperature, mPa·s): 25000 - 35000

SunSAFE Mineral Sunscreen SPF 50

Formula Number: MD22-001-02H

This SPF 50 sunscreen formulation is specially developed for body care with only mineral UV filters. It is lightweight and non-greasy yet rich and thick. Thanks to the performance of W/O Olivem® 2090 emulsifier, the formula is easily distributed on the skin. All-natural SolaPure™ Glo leverages curcumin's benefits to improve sun protection's SPF and PFA performance and control hyperpigmentation. *In vitro* analysis suggests SPF ~ 63, PFA (PPD COLIPA 2011) ~ 17 and critical wavelength 372 nm. *In vivo* analysis* confirms SPF 56.2. 99% of this formula's contents of natural origin, according to ISO 16128-2:2017 standards.



* LabAnalysis (Rigano Laboratories ISPE) Report 345/22/01

Olivem® 2090

Creates rich emulsions conferring a light sensory.

Sensolene® Light ET

Gives a light touch.

Olivem® 900

Imparts structure and contributes to waterproofing.

SolaPure™ Glo

Improves sun protection's SPF and PFA performance

Phase	INCI Name [INN/USAN] (Other Information)	Trade Name	% Wt	Function
A	Caprylic/Capric Triglyceride		11.00	Emollient
	Dextrin Isosterate, Caprylic/Capric Triglyceride		1.00	Film Former
	Ethyl Olivatate, Olea Europaea (Olive) Leaf Extract	Sensolene® Light ET	3.00	Multifunctional Active Emollient
	Coco-Caprylate		3.00	Emollient
	Polyglyceryl-4 Olivatate/Polyricinoleate	Olivem® 2090	4.00	Multifunctional Cold Process Emulsifier
	Zinc Oxide		24.00	UV Filter/ Sunscreen Agent
	Titanium Dioxide, Jojoba Esters, Stearic Acid		5.00	UV Filter/ Sunscreen Agent
B	Vegetable Oil (and) Simmondsia Chinensis (Jojoba) Seed Oil (and) Curcuma Longa (Turmeric) Root Extract	SolaPure™ Glo	5.00	Multifunctional Emollient
	Sorbitan Olivatate	Olivem® 900	1.50	Lipogelling Agent
C	Propanediol		2.00	Humectant
	Water (Aqua)		up to 100	Volatile Carrier
	Sodium Chloride		1.00	Stabilizing Agent
D	Preservative		a.n.	Preservative
E	Coconut/Palm Kernel Alkanes		3.00	Volatile Carrier

Preparative procedure

To the main vessel, add phase A with mixing until uniform, then add phase B and heat it up to 80-85°C. Prepare phase C separately and heat it up to heat up 80-85°C. Add phase C to phase AB under stirrer at 250 rpm, keeping the temperature. Mix under stirrer for 2 minutes the phase ABC and then homogenize it, using a suitable dispersion unit (Silverson) for 2 minutes. Cool down to 40°C under stirring (50 - 100 rpm). Add the phase D and E and homogenize using a suitable dispersion unit (Silverson) for 1 minute.

Product characteristics (25°C)

Appearance: white soft cream

Viscosity (Brk, RVDV-E, Sp 4, 20 rpm, after 24 h at room temperature; mPa·s): 35000 - 40000

Sun Care Solutions

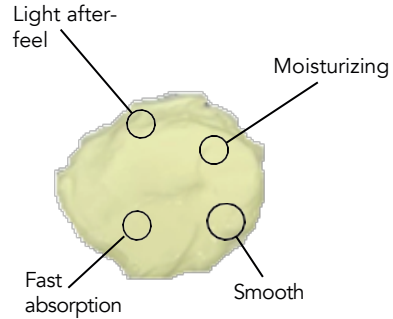


Facial Moisturizing Cream SPF 50

Formula Number: JZ14-49B

This 'ante-aging'[™] sunscreen provides SPF 50 UV protection free from octinoxate, oxybenzone, octocrylene, ethanol and volatile silicones. Photostabilization efficacy is strengthened by the use of SolaFresh[™] and other Hallstar photostabilizers. The combination of BRIGHT Oléoactif[®] and Micah[™] helps to delay skin aging and protects from daily external aggressions. This formulation is highly moisturizing and spreads easily without a feeling of heaviness.

In vitro analysis suggests SPF ~ 52, PFA (PPD COLIPA 2011) ~19, UVA1/UV = 0.84, and critical wavelength 377 nm.



BRIGHT Oléoactif[®]

Brightens the complexion and reduces dark spots.

Sensolene[®]

Provides silicone-like spreadability.

Olivem[®] 1000

PEG-free self-emulsifying multifunctional ingredient to provide a deep moisturizing effect

Olivem[®] VS Feel

An olive lipids-inspired ingredient that can promote the creation of liquid crystal structures

SolaPure[™] Glo

Delivers anti-inflammatory and antioxidant benefits, improves sun protection's SPF and PFA performance and promotes overall skin wellbeing

HallBrite[®] BHB

Provides sunscreen solvency and emolliency; dilutes UV package's high density to provide lighter skin feel.

SolaStay[®] S1

Provides rapid and efficient excited state quenching of avobenzene, protecting it from photodegradation and improving sunscreen performance.

Polycrylene[®]

Triple state photostabilizer for avobenzene.

SolaFresh[™]

Effective solvent for avobenzene and triple state photostabilizer.

Micah[®]

Prevents visible signs of aging by stopping the formation of UV-induced free radicals.

Phase	INCI Name [INN/SAN] (Other Information)	Trade Name	% Wt	Function
A	Ethylhexyl Salicylate [Octisalate]		5.00	UV Filter/Sunscreen Agent
	Homosalate [Homosalate]		10.00	UV Filter/Sunscreen Agent
	Butyloctyl Salicylate	HallBrite® BHB	5.00	Sunscreen Solvent/ Emollient
	Ethylhexyl Methoxycrylene	SolaStay® S1	3.00	Photostabilizer
	Polyester-8	Polycrylene®	4.00	Photostabilizer
	Diethylhexyl 2,6-Naphthalate	SolaFresh™	6.00	Multifunctional Emollient
	Ethylhexyl Olivatate	Sensolene®	1.00	Multifunctional Emollient
	Glycine Soja (Soybean) Oil, Polyglyceryl-3 Diisostearate, Oryza Sativa (Rice) Extract, Oryza Sativa (Rice) Germ Extract	BRIGHT Oléoactif®	1.00	Active Ingredient
	Vegetable Oil (and) Simmondsia Chinensis(Jojoba) Seed Oil (and) Curcuma Longa (Turmeric) Root Extract	SolaPure™ Glo	5.00	Multifunctional Emollient
	Butyl Methoxydibenzoylmethane [Avobenzone]		3.00	UV Filter/Sunscreen Agent
	Bis(Cyano Butylacetate) Anthracenediylidene	Micah®	0.20	Active Ingredient
B	VP/Eicosene Copolymer		1.00	Film Former
	Cetearyl Olivatate, Sorbitan Olivatate	Olivem® 1000	3.00	Self-Emulsifier/Liquid Crystal Maker
	Cetearyl Alcohol, Cetyl Palmitate, Sorbitan Palmitate, Sorbitan Oleate	Olivem VS Feel	2.00	Co-Emulsifier/Liquid Crystal Maker

Preparative procedure

To a secondary vessel add phase A with mixing and heat up to 80°C. Add phase B into phase A, and mix well until uniform. To the main vessel, add pre-mixture of phase C and add phase D with mixing. Heat up to 80°C. When AB and CD phases are homogeneous, slowly add phase AB to phase CD with strongly mixing. After combination, mix for 10 minutes, then start cooling with mixing. Add phase E when < 50°C and mix until uniform.

Product characteristics (25°C)

Appearance: Off-white cream

Viscosity (20 rpm, Brk, RV DV-II, T-D, after 24h at room temperature; mPa·s): 25000 - 45000

pH (as is): 5.0-6.0

Matcha Lemon Butter Zinc Oxide Sunscreen SPF 30

Formula Number: JZ15-123

This anhydrous butter formulation was designed to provide SPF 30 performance with a formulator-friendly, high performance zinc oxide dispersion. It is water resistant, preservative-free and can be customized with natural butters and oils. Biochemica® Matcha Green Tea Butter softens, moisturizes and rejuvenates skin while SolaPure™ Glo delivers antioxidant protection.

In vitro analysis suggests SPF ~32, PFA (PPD) ~12 performance with critical wavelength 376 nm. UVA1/UV = 0.82.



Olivem® 900

PEG-free multifunctional wax used to enhance formulation structure.

Biochemica® Matcha Green Tea Butter

Adds moisturizing and antioxidant benefits derived from a Chinese ancient skin healer.

Biochemica® Lemon Butter

Hydrates skin while the natural citrus scent engages the senses.

Biochemica® Sweet Almond Oil

Provides skin moisturization and improves formulation spreadability.

HallBrite® EZ FLO ZDX Plus

Easy-to-use dispersion designed to deliver high performance, non-nano ZnO with built-in photoprotection technology.

SolaPure™ Glo

Delivers anti-inflammatory and antioxidant benefits, improves sun protection's SPF and PFA performance and promotes overall skin wellbeing.

Phase	INCI Name [INN/SAN] (Other Information)	Trade Name	% Wt	Function
A	Prunus Amygdalus Dulcis (Sweet Almond)Oil, Hydrogenated Vegetable Oil, Camellia Sinensis Leaf Powder	Biochemica® Matcha Green Tea Butter	35.00	Emollient
	Prunus Amygdalus Dulcis (Sweet Almond)Oil, Hydrogenated Vegetable Oil, CitrusLimon (Lemon) Peel Oil	Biochemica® Lemon Butter	10.00	Emollient/Natural Fragrance
	Polyhydroxystearic Acid		0.50	Dispersing Agent
	Prunus Amygdalus Dulcis (Sweet Almond) Oil	Biochemica® Sweet Almond Oil	Up to 100	Emollient
	Zinc Oxide [Zinc Oxide] (58%), Butyloctyl Salicylate, Ethylhexyl Methoxycrylene,Triceteareth-4 Phosphate,Triethoxycaprylylsilane	HallBrite® EZ-FLO ZDX Plus	18.50	UV Filter/ Sunscreen Agent/ Photostabilizer/ Carrier System
B	Sorbitan Olivatate	Olivem® 900	5.00	Structuring Agent
C	Vegetable Oil (and) Simmondsia Chinensis(Jojoba) Seed Oil (and) Curcuma Longa (Turmeric) Root Extract	SolaPure™ Glo	6.50	Multifunctional Emollient
	Silica (spherical, 12 µm)		14.00	Deoiling Agent

Preparative procedure

In the main vessel, combine and mix phase A and heat up to 75°C with mixing. Add in phase B with mixing until uniform, then add in phase C. After uniform, start cooling. Stop mixing when it is below 60°C

Product characteristics (25°C)

Appearance: Soft cream

SPF 50 ZnO Sunscreen Balm

Formula Number: JZ15-08

This on-the-go zinc oxide stick was designed to provide globally acceptable SPF 50 performance. It is water-resistant, preservative-free, and can be customized using natural butters and oils. The combination of SolaPure™ Glo, Biochemica® Lemon Butter, and Biochemica® Olive Oil-Ultra Refined softens and moisturizes skin.

In vitro analysis suggests SPF ~ 55, PFA (PPD COLIPA 2011) ~17, UVA1/UV = 0.80, and critical wavelength 375 nm.



BLUE Oléoactif®

Effectively protects cells from urban pollution and blue light; and boosts cells' defense system.

Sensolene® Light ET

Provides light touch with good antioxidant benefits.

Olivem® 900

PEG-free multifunctional wax used to enhance formulation structure.

SolaPure™ Glo

Delivers anti-inflammatory and antioxidant benefits, improves sun protection's SPF and PFA performance and promotes overall skin wellbeing.

HallBrite® EZ FLO ZDX

Easy-to-use dispersion designed to deliver high performance, non-nano ZnO with built-in photoprotection technology.

Phase	INCI Name [INN/SAN] (Other Information)	Trade Name	% Wt	Function
A	Vegetable Oil (and) Simmondsia Chinensis (Jojoba) Seed Oil (and) Curcuma Longa (Turmeric) Root Extract	SolaPure™ Glo	8.00	Multifunctional Emollient
	Prunus Amygdalus Dulcis (Sweet Almond)Oil, Hydrogenated Vegetable Oil, CitrusLimon (Lemon) Peel Oil	Biochemica® Lemon Butter	5.00	Emollient/Natural Fragrance
	Ethyl Oliviate, Olea Europaea (Olive) Leaf Extract	Sensolene® Light ET	5.00	Multifunctional Emollient
	Olea Europaea (Olive) Fruit Oil	Biochemica® Olive Oil-Ultra Refined	Up to 100	Emollient
	Polyhydroxystearic Acid		0.80	Dispersing Agent
	Glycine Soja (Soybean) Oil (and) Polyglyceryl-3 Diisostearate (and) Oryza Sativa (Rice) Germ Extract (and) Oryza Sativa (Rice) Extract	BLUE Oléoactif®	1.00	Active Ingredient
	Zinc Oxide [Zinc Oxide] (60%), Butyloctyl Salicylate, Triceteareth-4 Phosphate, Triethoxycaprylylsilane	HallBrite® EZ-FLO ZDX	14.00	UV Filter/ Sunscreen Agent/ Carrier System
B	Zinc Oxide [Zinc Oxide]		13.00	UV Filter/ Sunscreen Agent
C	Sorbitan Oliviate	Olivem® 900	9.00	Structuring Agent
	Helianthus Annuus (Sunflower) Seed Wax		9.00	Structuring Agent
	Silica		8.00	Deoiling Agent
	Polymethylsilsesquioxane/ Silica Crosspolymer		3.00	Texturizing Agent

Preparative procedure

In the main vessel, combine and mix phase A and heat up to 80°C. Add in phase B with mixing until uniform, then add in phase C. When mixture is uniform, start cooling. Stop mixing at 60°C.

Product characteristics (25°C)

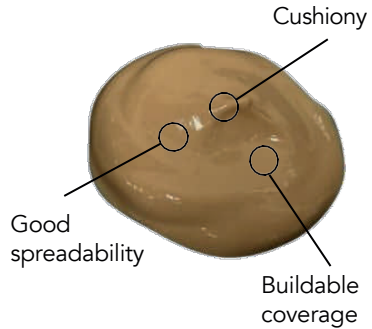
Appearance: Off-white stick

Tinted Sunscreen Lotion SPF 50

Formula Number: JZ15-145

This product provides SPF 50 sun protection without using organic UV filters. The tinted formulation has a soft feel and is easily absorbed, creating the perfect sheer coverage. SolaPure™ Glo provides structure and improves sun protection performance in this zinc oxide system. PEG-free Olivem® 2090 is the only W/O emulsifier in this cold process formulation.

In vitro analysis suggests SPF ~ 55, PFA (PPD COLIPA 2011)~ 18, UVA1/UV = 0.80, and critical wavelength 374 nm.



SolaPure™ Glo

Delivers anti-inflammatory and antioxidant benefits, improves sun protection's SPF and PFA performance and promotes overall skin wellbeing.

HallStar® Octyl Isononanoate

Low viscosity emollient providing lightweight skin feel.

Olivem® 2090

Multifunctional emulsifier creates a rich, spreadable and not greasy formula.

Sensolene® Light ET

Provides light touch with good antioxidant benefits.

HallStar® Zinc Stearate

Creates a good network for the oil phase, stabilizing the emulsion.

Phase	INCI Name [INN/SAN] (Other Information)	Trade Name	% Wt	Function
A	Vegetable Oil (and) Simmondsia Chinensis (Jojoba) Seed Oil (and) Curcuma Longa (Turmeric) Root Extract	SolaPure™ Glo	6.00	Multifunctional Emollient
	Ethylhexyl Isononanoate	HallStar® Octyl Isononanoate	14.00	Carrier
	Dimethicone (5 cSt)		5.00	Silicone Oil
	Polyglyceryl-4 Olivatate/Polyricinoleate	Olivem® 2090	3.50	Multifunctional Cold Process Emulsifier
	Polyhydroxystearic Acid		1.00	Dispersing Agent
	Ethyl Olivatate, Olea Europaea (Olive) Leaf Extract	Sensolene® Light ET	5.00	Multifunctional Emollient
B	Zinc Oxide, Triethoxycaprylylsilane		23.00	UV Filter/ Sunscreen Agent
	Titanium Dioxide (and) Triethoxycaprylylsilane		3.00	UV Filter/ Sunscreen Agent
	Silica (spherical, 12 µm)		3.00	Deoiling Agent
	Zinc Stearate	HallStar® Zinc Stearate	1.00	Thickener (non-aqueous)
C	Iron Oxides (yellow) (CI 77492), Triethoxycaprylylsilane		a.n.	Pigment
	Iron Oxides (red) (CI 77491), Triethoxycaprylylsilane		a.n.	Pigment
D	Glycerin		3.00	Humectant
	Xanthan Gum (pharma grade)		0.20	Thickener (Aqueous)
E	Water (Aqua)		Up to 100	Volatile Carrier
	Sodium Chloride		1.50	Stabilizing Agent
	Preservative		a.n.	Preservative

Preparative procedure

To the main vessel, add phase A and heat up to melt SolaPure™ Glo with mixing until uniform, then add phase B and mix until uniform. Add phase C and mix until uniform. To a secondary vessel, add premixture of phase D and phase E, mixing until uniform. When ABC and DE phases are homogeneous, very slowly add phase DE to phase ABC and strongly mix or homogenize until uniform.

Product characteristics (25°C)

Appearance: Tinted lotion

Viscosity (20 rpm, Brk, RV DV-II, T-D, after 24h at room temperature; mPa·s): 5000 - 8000

Unseen Sunscreen SPF 40

Formula Number: JZ15-131B

Treat your skin with this soft and smooth sunscreen lotion that offers transparency and a light skin feel. Hallstar photostabilizers maximize UV filter photostability and enable safe and long-lasting sun protection. BLUE Oléoactif® provides complete environmental protection by shielding skin from urban pollution and blue light. *In vitro* analysis suggests SPF ~44, PFA (PPD) ~18, UVA1/UV = 0.83, performance with critical wavelength = 377nm.



BLUE Oléoactif®

Effectively protects cells from urban pollution and blue light, and boosts cells' defense system.

Sensolene® Light ET

Provides light touch with good antioxidant benefits.

Biochemica® Vitamin E Natural

A powerful biological antioxidant

HallBrite® BHB

A good pigment wetter and dispersant for zinc oxide formulations while providing skin emollience.

SolaStay® S1

Mitigates the photocatalytic and ROS-generating activities of the oxides and improves sunscreen performance.

SolaFresh™

Multifunctional sunscreen solvent and carrier that delivers improved sun care performance.

Phase	INCI Name [INN/SAN] (Other Information)	Trade Name	% Wt	Function
A	Octocrylene [Octocrilene]		8.50	UV Filter/ Sunscreen Agent
	Ethylhexyl Salicylate [Octisalate]		5.00	UV Filter/ Sunscreen Agent
	Homosalate [Homosalate]		7.00	UV Filter/ Sunscreen Agent
	Butyloctyl Salicylate	HallBrite® BHB	5.00	Sunscreen Solvent/ Emollient
	Diethylhexyl 2,6-Naphthalate	SolaFresh™	6.00	Multifunctional Sunscreen Solvent
	Ethylhexyl Methoxycrylene	SolaStay® S1	1.50	Photostabilizer
	VP/Hexadecene Copolymer		1.50	Film Former
	Ethyl Oliviate, Olea Europaea (Olive) Leaf Extract	Sensolene® Light ET	5.00	Multifunctional Emollient
	Glycine Soja (Soybean) Oil (and) Polyglyceryl-3 Diisostearate (and) Oryza Sativa (Rice) Germ Extract (and) Oryza Sativa (Rice) Extract	BLUE Oléoactif®	1.00	Active Ingredient
B	Butyl Methoxydibenzoylmethane [Avobenzone]		3.00	UV Filter/ Sunscreen Agent
C	Tribehenin		2.50	Emollient
D	Isohexadecane (and) Dimethicone/Bis-Isobutyl PPG 20 Crosspolymer		Up to 100	Rheological Control/ Enhanced Skin Feel
E	Polymethylsilsesquioxane/Silica Crosspolymer		3.00	Silicone Elastomer Blend
	Silica (spherical, 12 µm)		3.00	Deoiling Agent
	Tocopherol	Biochemica® Vitamin E Natural	0.50	Antioxidant Agent

Preparative procedure

To a secondary vessel add phase A and heat to 70 - 80°. Add phase B with mixing until uniform, then add phase C. Add phase D with mixing until uniform. Start cooling mixing to room temperature. When < 60°C, add phase D one by one and mix until uniform.

Product characteristics (25°C)

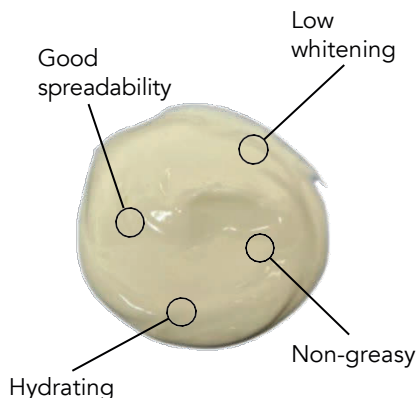
Appearance: Soft gel

ZnO Sunscreen SPF 50

Formula Number: JZ15-49B

This daily wear sunscreen uses a combination of multifunctional cold-process Olivem® 2020 and Olivem® 2090, without any other thickener and/or emulsifier, to provide SPF 50 UV protection free from organic UV filters. All-natural SolaPure™ Glo contributes anti-inflammatory and antioxidant benefits. ZnO Sunscreen SPF 50 provides holistic sun care that prioritizes skin health.

In vitro analysis suggests SPF ~52, PFA (PPD) ~16, UVA1/UV = 0.79, performance with critical wavelength = 371 nm.



SolaStay® S1

Provides rapid and efficient excited state quenching of avobenzene, protecting it from photo-degradation and improving sunscreen performance.

SolaFresh™

Effective avobenzene solvent and triple state photostabilizer.

SolaPure™ Glo

Delivers anti-inflammatory and antioxidant benefits, improves sun protection's SPF and PFA performance and promotes overall skin wellbeing.

Olivem® 2090

Functions as a ZnO dispersion agent and helps to stabilize the zinc oxide emulsion.

Olivem® 2020

Cold process emulsifier to structure and stabilize the zinc oxide emulsion.

HallStar® Octyl Isononanoate

Contributes a light skin-feel emollience to mineral sunscreens.

Phase	INCI Name [INN/SAN] (Other Information)	Trade Name	% Wt	Function
A	Vegetable Oil (and) Simmondsia Chinensis(Jojoba) Seed Oil (and) Curcuma Longa(Turmeric) Root Extract	SolaPure™ Glo	6.00	Multifunctional Emollient
	Ethylhexyl Isononanoate	HallStar® Octyl Isononanoate	12.00	Emollient
	Ethylhexyl Methoxycrylene	SolaStay® S1	3.00	Photostabilizer
	Diethylhexyl 2,6-Naphthalate	SolaFresh™	5.00	Multifunctional Sunscreen Solvent
B	Polyglyceryl-4 Olivate/Polyricinoleate	Olivem® 2090	1.00	Multifunctional Cold Process Emulsifier
	Polyhydroxystearic Acid		0.80	Dispersing Agent
	Zinc Oxide, Triethoxycaprylsilane		20.00	UV Filter/Sunscreen Agent
C	Ethylhexyl Olivate, Sodium Acrylates Copolymer, Polyglyceryl-4 Olivate	Olivem® 2020	1.00	Multifunctional Cold Process Emulsifier
	Glycerine		2.00	Humectant
	Preservative		a.n.	Preservative
	Trisodium Ethylenediamine Disuccinate (37% active)		0.30	Chelating Agent

Preparative procedure

To a secondary vessel add phase A and start mixing. Met SolaPure™ Glo over heat, and then add phase B with mixing until uniform. To the main vessel add phase C, start mixing until a smooth gel is formed. When both phases are homogeneous, slowly add phase AB to phase C with prop mixing until uniform.

Product characteristics (25°C)

Appearance: Off-white cream

Viscosity (20 rpm, Brk, RV DV-II, T-D, after 24h at room temperature; mPa·s): 12000 – 17000
pH (as is): 7.0 – 8.0

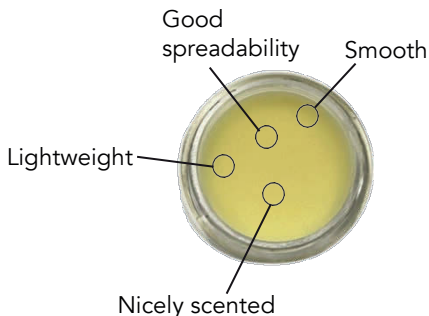
Spotlight on Biochemica®



Butter for You Beauty Balm

Formula Number: JZ15-195

This beauty balm is designed to moisturize from head to toe thanks to the blend of powerful moisturizers from the Amazon region: Biochemica® Cupuacu Butter Refined and Biochemica® Babassu Oil Ultra Refined. Biochemica® Cupuacu Butter Refined is scientifically proven to attract 440% of its weight in water, making it one of the most powerful naturally-occurring butters in the world. Biochemica® Babassu Oil Ultra Refined transforms the texture from a soft solid balm to a light serum as it melts on contact with skin.



Biochemica® Cupuacu Butter Ref

Brazilian butter with a high capacity for water absorption and to reduce degeneration of skin cells.

Biochemica® Babassu Oil Ultra Refined

Brazilian oil that quickly penetrates and moisturizes skin.

Biochemica® Craft Shea Butter

Hand-crafted, fully traceable and sustainable grade of shea butter from West Africa.

Biochemica® Tangerine Butter

Has excellent spreadability on the skin with a nice odor

Biochemica® Sweet Almond Oil

Provides skin moisturization and improves formulation spreadability

Olivem® 900

PEG-free multifunctional wax used to enhance formulation structure.

Phase	INCI Name [INN/USAN] (Other Information)	Trade Name	% Wt	Function
A	Theobroma Grandiflorum Seed Butter	Biochemica® Cupuaçu Butter Refined	30.00	Emollient
	Orbignya Oleifera Seed Oil	Biochemica® Babassu Oil Ultra Refined	30.00	Emollient
	Prunus Amygdalus Dulcis (Sweet Almond) Oil, Citrus Tangerina (Tangerine) Peel Oil, Hydrogenated Vegetable Oil	Biochemica® Tangerine Butter	4.00	Emollient/Natural Fragrance
	Butyrospermum Parkii (Shea) Butter	Biochemica® Craft Shea Butter	15.00	Emollient
	Prunus Amygdalus Dulcis (Sweet Almond) Oil	Biochemica® Sweet Almond Oil	Up to 100	Emollient
B	Sorbitan Olivatate	Olivem® 900	7.50	Structuring Agent
C	Helianthus Annuus (Sunflower) Seed Wax		5.00	Structuring Agent

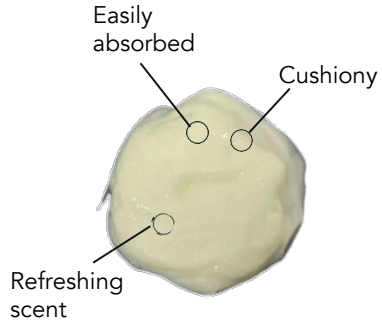
Preparative procedure

In the main vessel, combine and mix phase A and heat up to 80°C with mixing. Add phase B in with mixing until uniform. Cool down with mixing. When < 60°C, add phase C with mixing until uniform before transferring into packaging.

PEG-Free Hydration Body Cream

Formula Number: JZ15-185B

This PEG-free Hydration Body Cream is made with vegan, cruelty-free ingredients for healthy skin care. HallStar® C1215 Alkyl Benzoate Natural combined with Biochemica® Turmeric Butter provides ultimate skin-softening, antioxidant and moisture-sealing benefits. Biochemica® Tangerine Butter imparts a natural, energizing citrus aroma and additional moisturization properties. Skin is left feeling deeply nourished and silky smooth.



HallStar® C1215 Alkyl Benzoate Natural

An emollient for skin-softening and moisture-sealing with a light conditioning and silky after touch to the skin.

Biochemica® Shea Butter Organic

Balances dermal moisture content and provides structure

Biochemica® Cocoa Butter Deodorized

Enhances skin moisturization and reduces trans-epidermal water loss; its steep melting curve makes it ideal for body care products.

Biochemica® Tangerine Butter

Provides excellent spreadability and a pleasant, natural fragrance.

Biochemica® Turmeric Butter

Powerful anti-inflammatory emollient.

HallStar® CO-1895 Stearyl Alcohol NF

Has emollient properties and can function as an emulsifier and thickener.

Olivem® 1000

PEG-free self-emulsifying multifunctional ingredient to provide a deep moisturizing effect.

Oliwax® LC

Generates liquid crystal structures for improving hydration.

Phase	INCI Name [INN/USAN] (Other Information)	Trade Name	% Wt	Function
A	C12-15 Alkyl Benzoate	HallStar® C1215 Alkyl Benzoate Natural	10.00	Emollient
	Butyrospermum Parkii (Shea) Butter	Biochemica® Shea Butter Organic	5.00	Emollient
	Theobroma Cacao (Cocoa) Seed Butter	Biochemica® Cocoa Butter Deodorized	4.00	Emollient
	Prunus Amygdalus Dulcis (Sweet Almond) Oil, Citrus Tangerina (Tangerine) Peel Oil, Hydrogenated Vegetable Oil	Biochemica® Tangerine Butter	3.00	Emollient/Natural Fragrance
	Butyrospermum Parkii (Shea) Butter, Elaeis Guineensis (Palm) Butter, Cocos Nucifera (Coconut) Oil, Simmondsia Chinensis (Jojoba) Seed Oil, Curcuma Longa (Turmeric) Root Extract, Bisabolol	Biochemica® Turmeric Butter	2.00	Emollient
B	Stearyl Alcohol	HallStar® CO-1895 Stearyl Alcohol	3.00	Structuring Agent
	Cetearyl Olivatate, Sorbitan Olivatate	Olivem® 1000	3.00	Self-Emulsifier/ Liquid Crystal Maker
	Cetyl Palmitate, Sorbitan Palmitate, Sorbitan Olivatate	Oliwax® LC	2.00	Co-Emulsifier/ Liquid Crystal Promoter
C	Water (Aqua)		Up to 100	Volatile Carrier
	Disodium EDTA		0.05	Chelating Agent
	Glycerin		6.00	Humectant
D	Preservative		a.n.	Preservative

Preparative procedure

To a secondary vessel, add phase A and start mixing and heat to 80°C and then add phase B. To the main vessel, add phase C, then heat up to 75 - 80°C with mixing. When both phases are homogeneous and at their designated temperatures, slowly add phase AB to phase C with prop mixing. After 5 minutes start cooling batch and when batch is < 50°C mix in phase D, one ingredient at a time. Continue mixing until batch is at room temperature, replacing any water lost to evaporation and mixing until smooth.

Product characteristics (25°C)

Appearance: smooth cream

pH: 5.0 – 6.0

Viscosity (10 rpm, Brk, RVDV-E, T-B, after 24h at room temperature, mPa·s): 60000 - 80000

Perfect Matcha Lotion Bar

Formula Number: JZ15-194B

The perfect combination of hydration, sustainability and skin feel is found in this waterless lotion bar. The solid balm transforms into a moisturizing oil serum as it melts on contact to deliver ultimate skin protection and moisturization. Biochemica® Matcha Green Tea Butter has powerful antioxidant and anti-inflammatory properties due to the infusion of ground green tea leaf powder. Biochemica® Craft Shea Butter provides amazing glide and moisturization while empowering the economic development of thousands of women in West Africa communities.



Biochemica® Matcha Green Tea Butter

Adds moisturizing and antioxidant benefits derived from the ground leaves of green tea, an ancient Chinese skin healer.

Biochemica® Babassu Oil Ultra Refined

Brazilian oil that quickly penetrates and moisturizes skin.

Biochemica® Craft Shea Butter

Hand-crafted, fully traceable and sustainable grade of shea butter from West Africa..

Biochemica® Sweet Almond Oil

Provides skin moisturization and improves formulation spreadability

Biochemica® Lemon Butter

Contributes a fresh lemon fragrance and moisturizing attributes

Olivem® 900

PEG-free multifunctional wax used to enhance formulation structure.

Phase	INCI Name [INN/USAN] (Other Information)	Trade Name	% Wt	Function
A	Prunus Amygdalus Dulcis (Sweet Almond) Oil, Hydrogenated Vegetable Oil, Camellia Sinensis Leaf Powder	Biochemica® Matcha Green Tea Butter	25.00	Emollient
	Butyrospermum Parkii (Shea) Butter	Biochemica® Craft Shea Butter	35.00	Emollient
	Prunus Amygdalus Dulcis (Sweet Almond) Oil, Hydrogenated Vegetable Oil, Citrus Limon (Lemon) Peel Oil	Biochemica® Lemon Butter	5.00	Emollient/Natural Fragrance
	Orbignya Oleifera Seed Oil	Biochemica® Babassu Oil Ultra Refined	7.00	Emollient
	Prunus Amygdalus Dulcis (Sweet Almond) Oil	Biochemica® Sweet Almond Oil	Up to 100	Emollient
B	Sorbitan Olivatate	Olivem® 900	7.50	Structuring Agent
	Helianthus Annuus (Sunflower) Seed Wax		10.00	Structuring Agent

Preparative procedure

In the main vessel, combine and mix phase A and heat up to 80°C with mixing. Add phase B in with mixing until uniform. Cool down with mixing. When < 60°C, add phase C with mixing until uniform before filling into packages.

Product characteristics (25°C)

Appearance: yellow push-up balm bar

RevitalEyes Serum Stick

Formula Number: JZ15-193B

This waterless serum stick features Biochemica® Craft Shea Butter and Biochemica® Coffee Butter to create a solid balm that transforms to a hydrating serum as it melts on contact with skin. Biochemica® Craft Shea Butter empowers the economic development of thousands of women in West Africa communities and provides the smooth glide and skin feel. The eye area is deeply nourished and moisturized while LOOK Oléoactif® combats dark circles and puffiness. Skin is left soft, non-greasy and revitalized.



Biochemica® Almond Butter

Offers a smooth structure and excellent spreadability

Biochemica® Craft Shea Butter

Hand-crafted, fully traceable and sustainable grade of shea butter from West Africa.

Biochemica® Coffee Butter

Along with its appealing coffee scent, nourishes and smoothes skin and acts as an anti-inflammatory agent.

Biochemica® Sweet Almond Oil

Provides skin moisturization and improves formulation spreadability.

Biochemica® Vitamin E Natural

A powerful biological antioxidant.

LOOK Oléoactif®

Decreases dark circles and eye bags to create a fresher and younger look.

Olivem® 900

PEG-free multifunctional emulsifier used to enhance formulation structure.

Phase	INCI Name [INN/USAN] (Other Information)	Trade Name	% Wt	Function
A	Hydrogenated Vegetable Oil, Prunus Amygdalus Dulcis (Sweet Almond) Oil, Coffea Arabica (Coffee) Seed Oil	Biochemica® Coffee Butter	7.00	Emollient
	Prunus Amygdalus Dulcis (Sweet Almond) Oil, Hydrogenated Vegetable Oil	Biochemica® Almond Butter	30.00	Emollient
	Butyrospermum Parkii (Shea) Butter	Biochemica® Craft Shea Butter	30.00	Emollient
	Prunus Amygdalus Dulcis (Sweet Almond) Oil	Biochemica® Sweet Almond Oil	Up to 100	Emollient
	Oleic Acid (and) Terminalia Arjuna Extract (and) Lecithin	LOOK Oléoactif®	1.00	Active Ingredient
B	Sorbitan Olivatate	Olivem® 900	7.50	Structuring Agent
	Helianthus Annuus (Sunflower) Seed Wax		10.00	Structuring Agent
C	Tocopherol	Biochemica® Vitamin E Natural	0.20	Antioxidant Agent

Preparative procedure

In the main vessel, combine and mix phase A and heat up to 80°C with mixing. Add phase B in with mixing until uniform. Cool down with mixing. When < 60°C, add phase C with mixing until uniform before transferring into packaging.

FORMULATIONS	#	Eurole BT	Olivem 2090	Olivem 2020	Olivem 1000	Olivem 900	Olivem VS Feel	Olivax / Olivax LC	Sensolene Light ET / Sensolene	BLUE Oléoactif	BLUSH Oléoactif	CLEAR Oléoactif	BRIGHT Oléoactif	FILL Oléoactif	LOOK Oléoactif	
All-Day Dreamy Face Serum	CS23-094-01A															
All-Night Leave-On Mask	CS23-094-02C															
Au Naturel Body Defense Lotion SPF 30	MD22-001-01P															
Butter for You Beauty Balm	JZ15-195															
Facial Moisturizer Cream SPF 50	JZ14-49B															
Light and Long-Lasting Foundation SPF 15	CS22-442-01C															
Matcha Lemon Butter Sunscreen SPF 30	JZ15-123															
Multifunctional Face Lotion	JZ15-198															
Pajamas Body Butter	131-19-02D															
PEG- and D5 Silicones-Free Antiperspirant	JZ15-181															
PEG-Free Hydration Body Cream	JZ15-185B															
Perfect Matcha Lotion Bar	JZ15-194B															
RevitalEyes Serum Stick	JZ15-193B															
SPF 50 ZnO Sunscreen Balm	JZ15-08															
Spring Morning Dew Lotion	MD21-001-03D															
Sunsafe Mineral Sunscreen SPF 50	MD22-001-02H															
Tinted Sunscreen Lotion SPF 50	JZ15-145															
Unseen Sunscreen SPF 40	JZ15-131B															
ZnO Sunscreen SPF 50	JZ15-49B															
ZnO Sunscreen SPF 60	JZ15-196B															

HallStar C1215 Alkyl Benzoate Natural	Biochemica Babassu Oil	Biochemica Citrus Butters*	Biochemica Cocoa Butter	Biochemica Coffee Butter	Biochemica Cupuaçu Butter	Biochemica Marula Oil	Biochemica Matcha Green Tea Butter	Biochemica Shea Butter	Biochemica Turmeric Butter	HallBrite BHB	HallBrite EZ-FLO ZDX / ZDX Plus	Micah	Polycrylene	SolaFresh	SolaPure Glo	SolaStay S1	PAGE
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*Biochemica Citrus Butters include Lemon, Orange and Tangerine Butters

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B E A U T Y

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