

A Good Hair Day

New Hair Care Formulations

From Hallstar Beauty
Formulation Laboratories

2020

HALLSTAR 
BEAUTY



Hallstar Beauty is a leading provider of specialty chemistry solutions for skin care, sun care, color cosmetics, hair care, lip care and toiletries. Our extensive expertise in photostabilization science, oil-extracted, 100% vegetal eco-actives innovation, and functional naturals development sets us apart.

Hallstar's global capabilities in product development, sales and manufacturing boast operations in the United States, Italy, France, China and Brazil, and benefit from the talented teams joining Hallstar from B&T, Oléos and Fortinbrás. Our product lines include the innovative technology from the well-known collections of those acquired brands.

Hallstar Beauty provides technical, regulatory and operational support to customers and, in addition to hundreds of ready-made formulations, our experienced research and development team can work closely with you to develop, custom solutions for your specific need.

Reach out to workwonders@hallstar.com with your questions and requests.



Sun Care
Solutions



Specialty
Butters and Oils



Functional
Naturals



Active
Naturals



Performance
Ingredients

Advanced Formulated Solutions: **Hair Care**

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*Patented and Patent Pending

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“Invest in your hair; it is the crown you never take off.”

- posted on the wall of a Chicago hair salon

In every global region, in every economic period and in every age group, hair care remains an essential aspect of personal beauty routines for most consumers. Because of the importance placed on attractive, healthy hair, this beauty sector has great room for innovation. Finding the right products to reach your hair goals is an ongoing quest and consumers are willing to use multiple new shampoos and hair treatments on a trial basis until that quest is complete. More and more, innovation trends are exploring skin health goals being adopted to hair “with popular skin care, sun protection and anti-pollution claims being increasingly featured by hair care players,” (Euromonitor International, October 2019).

Hallstar Beauty’s customers are continually looking to us for guidance and inspiration when it comes to hair care formulating. The 10 new formulation examples in this collection demonstrate why our expertise and ingredients are so sought after. In curating this collection, we kept several key sector trends in mind:

Eco-Innovation including Water Efficiency

Sustainability is on everybody’s radar right now and beauty consumers are no exception. Young adults are especially interested in eco-claims, which signals the importance of future product innovation in this area as they are the most engaged and influential consumer group. As Hallstar Beauty explored in The Waterless Wave formula collection (2020), water efficiency is a key sustainability concern when it comes to hair care routines. Lucie Greene of JWT’s Innovation Group observes, “We’re seeing personal and home care categories being reinvented with new brands that focus on the water being added at home rather than being incorporated and transported at great environmental cost globally.” This trend has led to new formats and the reinvention of old ones, including the rise of water-activated powder formats. Opting for powder shampoo helps to reduce carbon footprint by avoiding the use of liquid, which is heavier to transport.

At Hallstar, we’ve developed numerous powdered hair care products including I’ve Got the Powder Shampoo (p. 26) and Sun-Safe Scalp Protection Powder SPF 30 (p. 42), as well as innovative products like Oil Protect You! (p. 34) whose concentrated, oil-based format is entirely water-free.

Scalp Health and Hair Loss Protection

A result of the “skinification of hair” trend is a heightened awareness of scalp care and its impact on overall hair health. The COVID-19 pandemic, in addition, has heightened interest in healthy hygiene. Deep cleansing shampoos that are gentle enough for everyday use and that don’t strip hair of its natural oils are especially appealing. With their combination of natural origin emollients and actives, formulations like Every Day Micellar Shampoo (p. 14) and Save Waste Shampoo Paste (p. 38) deliver the latest innovations to even the simplest hair care routine.

Aligned with scalp care are affiliated anti-hair loss claims. These can target both men and women who are affected by hair loss due to genes, hormonal changes, illness, stress and other factors. Daily Renewal Hair Gel (p. 10) makes great use of new active ingredient GROWTH Oléoactif[®], a perfect fit for products that claim hair loss mitigation and thickening benefits.

Convenience and Multifunctionality

Finally, the desire for a more streamlined beauty routine using products that “multi-task” remains a motivator when it comes to hair care purchases. Consumers are convenience-driven; therefore it is not surprising that, after price, they are most influenced by ease-of-use when shopping for personal care products. Powder formulations, as we have already discussed, offer handy portability and virtually all Hallstar formulations can boast multiple claims, given the multifunctionality of our ingredients. In this new collection, there are several great examples of products that do double-duty: A-Little-Something-Extra Cleansing Conditioner (p. 6) is a new type of shampoo and conditioner in one, with gentle but powerful cleansing and a delightfully creamy sensoriality; our popular Little Mermaid Bubbles (p. 30) is a shampoo and body wash in one, and Happy Hair Leave-in Conditioner (p. 18) shortens your shower time while leaving hair soft, shiny and moisturized.

Just as skin care has become a form of self-care, hair care is poised to become a form of health care. As consumers focus increasingly on health, wellness and nutrition, hair care has an opportunity to replicate some of the success that skin care has already seen. And brands that focus on ingredients to promote optimal hair and scalp health are poised to win.

A-Little-Something-Extra Cleansing Conditioner

Formula Number: 139-20-04D

A-Little-Something-Extra Cleansing Conditioner, developed for very dry and/or curly hair, gently removes excess sebum impurities without drying or stripping hair thanks to the benefits of olive oil-derived ingredients Olivem® 400 and Olivem® 300, leaving hair feeling soft and clean. This non-foaming conditioner, detangles hair by virtue of Fortbase® Intense Pro-3 Blend, that, in combination with Olivem® 1000, gives a pleasant creamy texture. This formulation is additionally infused with Biochemica® Shea Butter Refined and Sensolene® Light ET for improved shine and lubricity.

Biochemica® Shea Butter Refined

Nourishes and softens, recommended for dry tresses

Fortbase® Intense Pro-3

A mixture of ready-to-use conditioning agents which make it easier to comb and detangle hair

Olivem® 300

Provides strong emolliency and lubricating, sebum-recovering activity

Olivem® 400

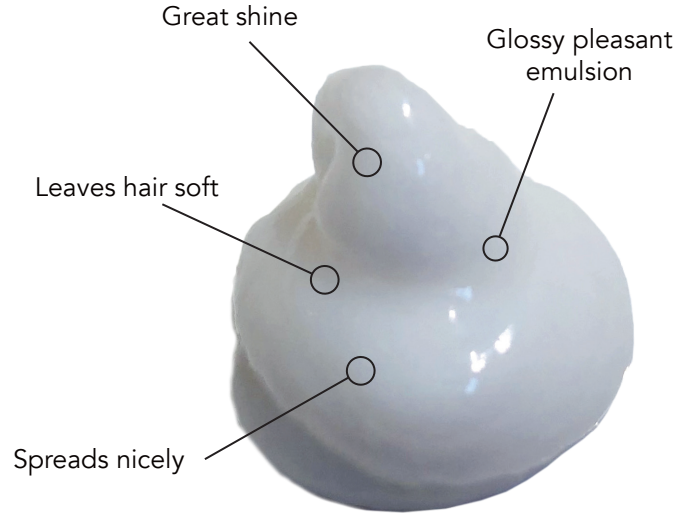
Mild anionic surfactant

Olivem® 1000

At low concentration imparts a very light touch

Sensolene® Light ET

A silicone alternative that enhances shine and improves compatibility



How to use: After wetting hair in the shower, apply a generous amount on the top of the head and start scrubbing it in. Since it doesn't create any lather, it is necessary to rub the product thoroughly into the hair. After a few minutes, rinse thoroughly, and repeat. It is not necessary to use a conditioner after washing.

Recommended for weekly use or alternating use between shampoo and conditioner washes.

A-Little-Something-Extra Cleansing Conditioner

Formula Number: 139-20-04D

Phase	INCI Name [INN/SAN] (Other Information)	Trade Name	% Wt	Function
A	Water (Aqua)		Up to 100	Volatile Carrier
	Glycerin		2.00	Humectant
	Cetearyl Olivat, Sorbitan Olivat	Olivem® 1000	0.50	Self-Emulsifier/ Liquid Crystal
	Cetearyl Alcohol, Distearyldimonium Chloride, Stearamidopropyl Dimethylamine Lactate, Behentrimonium Methosulfate	Fortbase® Intense Pro-3	3.00	Self-Emulsifier/ Conditioning Agent
	Cetyl Palmitate		3.00	Emollient
B	Ethyl Olivat, Olea Europaea (Olive) Leaf Extract	Sensolene® Light ET	1.00	Multifunctional Emollient
	Butyrospermum Parkii (Shea) Butter	Biochemica® Shea Butter Refined	1.00	Emollient
	Olive Oil PEG-7 Esters	Olivem® 300	2.50	Emollient , Sebum Recovering Properties
	Sodium PEG-7 Olive Oil Carboxylate (35% solids)	Olivem® 400	5.00	Anionic Surfactant
	Tocopherol	Biochemica® Vitamin E Natural	0.20	Antioxidant Agent
C	Fragrance (Parfum)		a.n.	Fragrance (Parfum)
	Preservative		a.n.	Preservative

Preparative procedure

1. Prepare phase A and heat it to 80-85°C.
2. Prepare phase B and heat it to 75-80°C.
3. Add phase B to phase A and homogenize, using a suitable dispersion unit (Silverson, Ultra-Turrax) for 3 minutes at 2500 rpm.
4. Cool under gentle stirring to room temperature; Add phase C to phase AB and homogenize, using a suitable dispersion unit (Silverson, Ultra-Turrax) for 3 minutes at 2500 rpm.
5. Adjust pH to between 4.5 and 5.5.

Product characteristics (25°C)

- **Appearance:** Pearly white cream

Daily Renewal Hair Gel

Formula Number: 139-20-07B

This lightweight, refreshing and easy to apply leave-in gel cream makes you fall in love with your hair all over again. Applying a small amount daily to your scalp delivers the power of all-natural GROWTH Oléoactif®, protecting hair from oxidative stress and premature aging, boosting its volume, and limiting hair loss.

Biochemica® Hemp Oil Refined

Imparts emolliency without leaving the formulation too oily

Olivem® 2020

Imparts an excellent gel cream structure to the formula

GROWTH Oléoactif®

Accelerates and extends hair growth

Euroil® BT

Anti-irritating and soothing for scalp

Sensolene® Light ET

Provides the formulation with antioxidant properties and an extremely lightweight feel



How to use: Apply on the scalp and massage in. No need to rinse.

Daily Renewal Hair Gel

Formula Number: 139-20-07B

Phase	INCI Name [INN/SAN] (Other Information)	Trade Name	% Wt	Function
A	Water (Aqua)		Up to 100	Volatile Carrier
	Glycerin		1.00	Humectant
	Olea Europaea (Olive) Leaf Extract, Water	EuroI® BT	0.50	Multifunctional Active Ingredient
B	Ethyl Oliviate, Olea Europaea (Olive) Leaf Extract	Sensolene® Light ET	1.00	Multifunctional Emollient
	Cannabis Sativa Seed Oil	Biochemica® Hemp Oil Refined Organic	0.50	Emollient
	Ethylhexyl Oliviate, Sodium Acrylates Copolymer, Polyglyceryl-4 Oliviate	Olivem® 2020	1.00	Multifunctional Cold-Process Emulsifier
	Helianthus Annuus Seed Oil (and) Polyglyceryl-3 Diisostearate (and) Carthamus Tinctorius Flower Extract (and) Hibiscus Sabdariffa Flower Extract	GROWTH Oléoactif®	2.00	Active Ingredient
C	Preservative		a.n.	Preservative
	Fragrance (Parfum)		a.n.	Fragrance (Parfum)

Preparative procedure

1. Prepare phase A and B separately.
2. Add phase B into phase A and homogenize using a suitable dispersion unit (Silverson, Ultra Turrax).
3. Add phase C using a suitable dispersion unit (Silverson, Ultra Turrax).

Product characteristics (25°C)

- **Appearance:** Light yellow, shiny gel cream



Every Day Micellar Shampoo

Formula Number: 139-20-01B

Every Day Micellar Shampoo, with micellar technology, gently eliminates impurities like a magnet for a non-aggressive cleansing thanks to the presence of the mild surfactant Olivem® 460 and the water-soluble functional emollient Olivem® 300, both derived from the fatty acids of olive oil which explains their delicacy and high skin compatibility. The formula is enriched with Biochemica® Biovera 200x Aloe, a powerful soothing agent, and Eurol® BT, which adds a dose of antioxidants to the hair and scalp with every wash. Florasolvs® Jojoba-120 provides a very delicate detergent action and helps with rinsing. Every Day Micellar Shampoo keeps your hair moisturized and hydrated for days.

Biochemica® BioVera 200X Aloe
Moisturizing and soothing agent

Eurol® BT
In this formula, works as an anti-irritating active ingredient.

Florasolvs® Jojoba-120
Provides water-soluble jojoba emolliency and helps with rinsing

Olivem® 300
Provides strong emolliency and lubricant properties

Olivem® 460
Mild surfactant able to reduce the formula's final irritation index



How to use: Apply to wet hair. Massage to form a foam. Rinse carefully. Gentle for daily use on all hair types.

Every Day Micellar Shampoo

Formula Number: 139-20-01B

Phase	INCI Name [INN/SAN] (Other Information)	Trade Name	% Wt	Function
A	Water (Aqua) (deionized)		Up to 100	Volatile Carrier
	Trisodium Ethylenediamine Disuccinate (37% active)		0.30	Chelating Agent
	Glycerin		2.00	Humectant
	Jjoba Wax PEG-120 Esters	Florasolvs® Jjoba-120	2.00	Foam Stabilizer
	Olea Europaea (Olive) Leaf Extract, Water	EuroI® BT	0.50	Multifunctional Active Ingredient
	Aloe Barbadensis Leaf Juice	Biochemica® BioVera 200X Aloe	0.20	Active Ingredient
	Panthenol		0.50	Active Ingredient
	Polyquaternium-10		0.20	Conditioning Agent
B	Olive Oil PEG-7 Esters	Olivem® 300	8.00	Emollient/Sebum Recovering Properties
	Sodium PEG-7 Olive Oil Carboxylate (61% solids)	Olivem® 460	5.00	Mild Anionic Surfactant
	Coco-Glucoside, Glyceryl Oleate		1.00	Non-ionic Surfactant
	Preservative		a.n.	Preservative

Preparative procedure

1. Heat phase A up to 65-70°C under stirring for 15 minutes.
2. Cool down phase A under stirring.
3. Prepare phase B and add it to phase A, under gentle stirring.

Product characteristics (25°C)

- **Appearance:** Yellow liquid

Happy Hair Leave-in Conditioner - Original

Formula Number: 139-20-05A

Happy Hair Leave-in Conditioner - Original is a hair treatment for damaged and dry hair. The combination of Fortbase® Intense Pro-3 and Biochemica® Shea Butter Refined, which deeply conditions, nourishes and moisturizes hair fibers and leaves the hair soft and manageable. It blends perfectly with the anti-frizz and shine properties of Sensolene® Light ET.

Biochemica® Shea Butter Refined

Moisturizing agent

Fortbase® Intense Pro-3

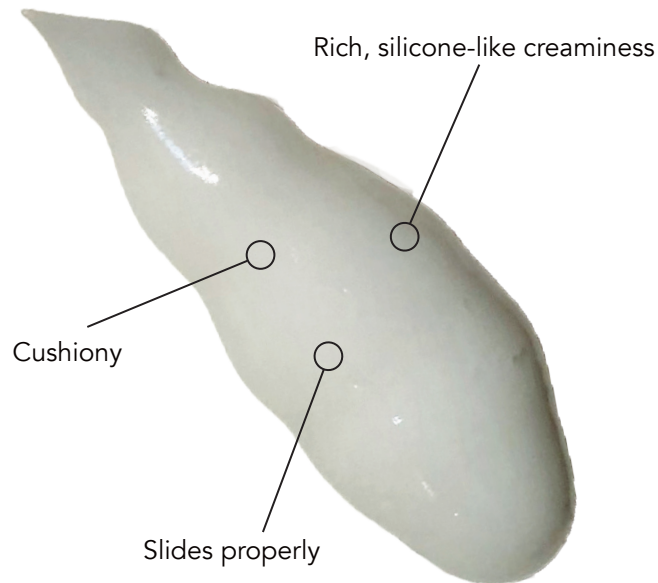
A mixture of ready-to-use conditioning agents which make it easier to comb and detangle hair

Olivem® 1000

PEG-free self-emulsifying multifunctional ingredient

Sensolene® Light ET

Promotes hair shine with a silky coating



How to use: Apply after shampooing on wet or dry hair starting from the ends and going up. Avoid the roots.

Happy Hair Leave-in Conditioner - Original

Formula Number: 139-20-05A

Phase	INCI Name [INN/SAN] (Other Information)	Trade Name	% Wt	Function
A	Water (Aqua)		Up to 100	Volatile Carrier
	Glycerin		1.00	Humectant
B	Cetearyl Olivatate, Sorbitan Olivatate	Olivem® 1000	2.00	Self-Emulsifier/ Liquid Crystal Maker
	Cetearyl Alcohol, Behentrimonium Methosulfate, Distearaldimonium Chloride, Stearamidopropyl Dimethylamine Lactate	Fortbase® Intense Pro-3	3.00	Conditioning Agent
	Ethyl Olivatate, Olea Europaea (Olive) Leaf Extract	Sensolene® Light ET	2.00	Multifunctional Emollient
	Butyrospermum Parkii (Shea) Butter	Biochemica® Shea Butter Refined	2.00	Emollient
	Tocopherol	Biochemica® Vitamin E Natural	0.20	Antioxidant Agent
C	Fragrance (Parfum)		a.n.	Fragrance (Parfum)
	Preservative		a.n.	Preservative

Preparative procedure

1. Prepare phase A and heat it to 80-85°C.
2. Prepare phase B and heat it to 75-80°C.
3. Add phase B to phase A and homogenize, using a suitable dispersion unit (Silverson, Ultra-Turrax) for 3 minutes at 2500 rpm.
4. Cool under gentle stirring to room temperature.
5. Add phase C to phase AB and homogenize, using a suitable dispersion unit (Silverson, Ultra-Turrax) for 3 minutes at 2500 rpm.
6. Adjust pH to between 4.5 and 5.5.

Product characteristics (25°C)

- **Appearance:** White cream



Happy Hair Leave-in Conditioner - Extra Light

Formula Number: 139-20-06A

Happy Hair Leave-in Conditioner – Extra Light is a daily care, no-rinse treatment with a lightweight gel-cream texture that weightlessly hydrates and enhances dry hair. Olivem® 2020 gives this gel formulation excellent spreadability. The combination of Sensolene®, Sensolene® Light ET and Biochemica® Argan Oil delivers superior, lightweight conditioning and frizz control. Enjoy this instant hair conditioner for hair that sparkles!

Biochemica® Argan Oil Refined

Adds both softness and strength, and protects hair against potential damage

HallStar® IPM-NF

Emollient

Sensolene®

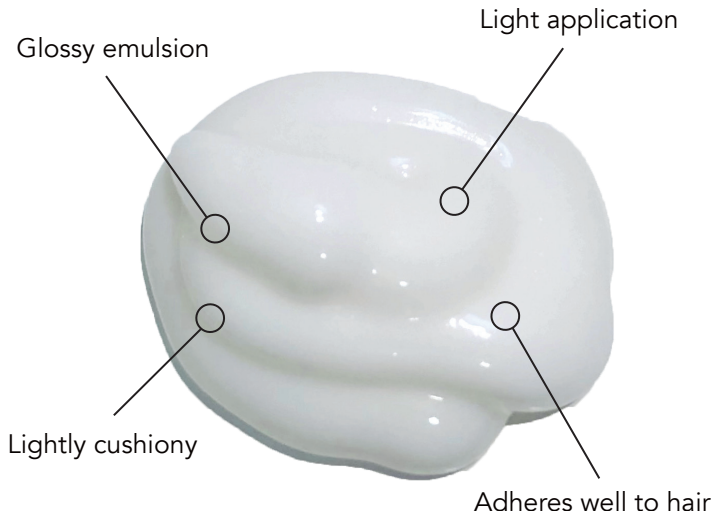
Provides nourishment and restructuring

Sensolene® Light ET

A silicone alternative that enhances shine and improves combability

Olivem® 2020

Multifunctional cold-process emulsifier that helps with spreadability



How to use: After shampooing, apply a small amount on wet or dry hair, focusing on the ends and other dry areas.

If you have very fine hair, apply a nickel-sized amount of leave-in conditioner on ends only. After application, you may style your hair as usual.

Happy Hair Leave-in Conditioner - Extra Light

Formula Number: 139-20-06A

Phase	INCI Name [INN/SAN] (Other Information)	Trade Name	% Wt	Function
A	Water (Aqua)		Up to 100	Volatile Carrier
	Glycerin		1.00	Humectant
B	Ethyl Olivatate, Olea Europaea (Olive) Leaf Extract	Sensolene® Light ET	2.50	Multifunctional Emollient
	Ethylhexyl Olivatate	Sensolene®	2.00	Multifunctional Emollient
	Argania Spinosa Kernel Oil	Biochemica® Argan Oil Refined	1.50	Emollient
	Isopropyl Myristate	HallStar® IPM-NF	2.00	Emollient
	Ethylhexyl Olivatate, Sodium Acrylates Copolymer, Polyglyceryl-4 Olivatate	Olivem® 2020	1.50	Multifunctional Cold-Process Emulsifier
C	Fragrance (Parfum)		a.n.	Fragrance (Parfum)
	Preservative		a.n.	Preservative

Preparative procedure

1. Prepare phase A and B separately.
2. Add phase A into phase B and homogenize using a suitable dispersion unit (Silverson, Ultra Turrax).
3. Add phase C using a suitable dispersion unit (Silverson, Ultra Turrax).

Product characteristics (25°C)

- **Appearance:** White, shiny cream



I've Got the Powder Shampoo

Formula Number: 139-20-03A

Just add water to I've Got the Powder Shampoo to clean without stripping hair and scalp of natural oils. This powdery soap is both deep-cleansing and gentle, thanks to Hallstar's RTD™ Coco Sulfate and Potassium Stearate OPK™-1000. Eurol® BT Powder is an antioxidant and anti-irritant ingredient that helps to preserve hair's beauty for longer. Biochemica® BioVera 200X Aloe helps to soothe the scalp. Florasolvs® Jojoba-120 stabilizes the mild foam, making it creamy. The special formula disappears in your hair like magic, leaving it clean and fresh.

Biochemica® BioVera 200X Aloe
Moisturizing agent

Eurol® BT Powder
Anti-irritating benefits

Florasolvs® Jojoba-120
Provides water-soluble jojoba emolliency and helps with rinse-off

Potassium Stearate OPK™-1000
Cleansing agent

RTD™ Coco Sulfate
Anionic surfactant in fine noodle form



How to use: Add water to powder to make a paste and apply to hair. Rinse.

I've Got the Powder Shampoo

Formula Number: 139-20-03A

Phase	INCI Name [INN/SAN] (Other Information)	Trade Name	% Wt	Function
A	Sodium Coco-Sulfate	RTD™ Coco Sulfate	Up to 100	Anionic Surfactant
	Jjoba Wax PEG-120 Esters	Florasolvs® Jojoba-120	20.00	Foam Stabilizer
B	Aloe Barbadensis Leaf Juice	Biochemica® BioVera 200X Aloe	0.50	Active Ingredient
	Olea Europaea (Olive) Leaf Extract	EuroL® BT Powder	0.50	Multifunctional Active Ingredient
	Magnesium Aluminum Silicate		10.00	Foam Stabilizer
	Potassium Stearate	Potassium Stearate OPK™-1000	5.00	Cleansing Agent
	Distarch Phosphate		5.00	Absorbent
	Preservative		a.n.	Preservative
	Guar Hydroxypropyltrimonium Chloride		0.20	Conditioning Agent
Citric Acid		1.20	pH Adjuster	

Preparative procedure

1. Mix phase A for 1 minute.
2. Add phase B to phase A and mix until uniformly blended.

Product characteristics (25°C)

- **Appearance:** Ivory powder



Little Mermaid Bubbles

Formula Number: CS17-107-06B

This shampoo and body wash gently cleanses hair and skin thanks to the presence of surfactant Olivem® 460 and emollient Olivem® 300, both derived from the fatty acids of olive oil which explains their delicacy and bio-compatibility. Other contributing Hallstar ingredients: Florasolvs® Jojoba-120 has a very delicate detergent action and leaves a smooth and soft after-feel. Biochemica® Biovera 10x Aloe and EuroI® BT are powerful antioxidants with soothing properties.

Biochemica® BioVera 10x Aloe

Powerful antioxidants with soothing properties

EuroI® BT

Powerful antioxidant with soothing properties

Florasolvs® Jojoba-120

Increases the rinsing capacity of the formulation

HallStar® PEG 6000 MS

Thickener (aqueous)

Olivem® 300

Water-soluble functional lipid with sebum-recovering activity

Olivem® 460

Mild anionic surfactant



How to use: Shampoo: Apply to wet hair. Massage to form a foam. Rinse carefully. Body wash: Wet your skin in the shower or bath, lather some of the body wash on your hands and use a loofah or a washcloth to apply it to your skin. Rinse it off and pat dry with a towel.

Little Mermaid Bubbles

Formula Number: CS17-107-06B

Phase	INCI Name [INN/SAN] (Other Information)	Trade Name	% Wt	Function
A	Water (Aqua) (deionized)		Up to 100	Volatile Carrier
	Aloe Barbadensis Leaf Juice	Biochemica® BioVera 10X Aloe	5.00	Active Ingredient
	Olea Europaea (Olive) Leaf Extract, Water	EuroI® BT	0.50	Multifunctional Active Ingredient
	PEG-150 Distearate	HallStar® PEG 6000 MS	3.00	Thickener (Aqueous)
	Jjoba Wax PEG-120 Esters	Florasolvs® Jjoba-120	2.00	Solubilizing Agent (Surfactant)
B	PEG-120 Methyl Glucose Dioleate		2.00	Viscosity Stabilizing Agent
	Sodium PEG-7 Olive Oil Carboxylate (61% solids)	Olivem® 460	10.00	Mild Anionic Surfactant
	Olive Oil PEG-7 Esters	Olivem® 300	1.00	Emollient/Sebum Recovering Properties
	Cocamidopropyl Betaine		15.00	Non-Ionic Surfactant
	Coco-Glucoside		5.00	Non-Ionic Surfactant
C	Preservative		a.n.	Preservative

Preparative procedure

1. Prepare phase A and heat it up to 65-70°C, maintaining temperature until the solids are completely melted.
2. Prepare phase B and heat it up to 65-70°C.
3. Add phase B into phase A under gentle stirring.
4. Cool down at 40°C under gentle stirring.
5. Add phase C under gentle stirring.

Product characteristics (25°C)

- **Appearance:** Transparent beige liquid

Oil Protect You!

Formula Number: JZ13-201

This alcohol-free sunscreen oil spray, designed for sun protection on skin and hair, makes use of singlet state-quenching SolaStay® S1, triplet state-quenching Polycrylene® and HallBrite® PSF to photostabilize avobenzene without octocrylene, benzophenone-3 or ethylhexyl methoxycinnamate. Low viscosity sunscreen solvents and emollients like HallBrite® BHB, Sensolene® Light ET, HallStar® IPM-NF, HallStar® Octyl Isononanoate and HallTress® DIBA Special ensure avobenzene is completely dissolved and help deliver a light emolliency with non-oily after-feel. BLUE Oléoactif® contributes blue light protection. Three person *in vivo* testing yielded static SPF 26 in an US lab. *In vitro* PFA (PPD)~ 13, UVA1/UV = 0.84, Critical wavelength = 376 nm.

SolaStay® S1, HallBrite® PSF and Polycrylene®

Photostabilize avobenzene without octocrylene, benzophenone-3 or ethylhexyl methoxycinnamate

HallBrite® BHB

Exhibits excellent solubility in sun filters and good spreadability on the skin

Sensolene® Light ET

Provides silicone-like after-feel

BLUE Oléoactif®

Effectively protects cells from urban pollution and blue light

HallStar® Octyl Isononanoate, HallStar® IPM-NF and Halltress® DIBA Special

Ensure that avobenzene completely dissolves and help provide a light emollience



How to use: Spray directly on skin. For hair protection, spray into palm of hand, apply to hair and spread oil with fingers.

Oil Protect You!

Formula Number: JZ13-201

Phase	INCI Name [INN/SAN] (Other Information)	Trade Name	% Wt	Function
A	Homosalate [Homosalate]		10.00	UV Filter/Sunscreen Agent
	Ethylhexyl Salicylate [Octisalate]		5.00	UV Filter/Sunscreen Agent
	Butyloctyl Salicylate	HallBrite® BHB	5.00	Sunscreen Solvent/ Emollient
	Diethylhexyl 2,6-Naphthalate		10.00	Emollient
	Ethylhexyl Methoxycrylene	SolaStay® S1	3.00	Photostabilizer
	Undecylcrylene Dimethicone	HallBrite® PSF	5.00	Photostabilizer
	Polyester-8	Polycrylene®	3.00	Photostabilizer
	Ethyl Oliviate, Olea Europaea (Olive) Leaf Extract	Sensolene® Light ET	5.00	Multifunctional Emollient
	VP/Hexadecene Copolymer		4.00	Film Former
	Glycine Soja (Soybean) Oil, Polyglyceryl-3 Diisostearate, Oryza Sativa (Rice) Extract, Oryza Sativa (Rice) Germ Extract	BLUE Oléoactif®	1.00	Active Ingredient
	Ethylhexyl Isononanoate	HallStar® Octyl Isononanoate	Up to 100	Emollient
	Isopropyl Myristate	HallStar® IPM-NF	23.00	Emollient
	Diisobutyl Adipate	HallTress® DIBA Special	5.00	Emollient
B	Butyl Methoxydibenzoylmethane [Avobenzone]		3.00	UV Filter/Sunscreen Agent

Preparative procedure

1. Add phase A to a secondary vessel, start center-stir (prop) mixing and heat to 50°C.
2. Add phase B to phase A and mix; when homogeneous and clear, start cooling.

Product characteristics (25°C)

- **Appearance:** Yellow liquid



Save Waste Shampoo Paste

Formula Number: 139-20-02N

Save Waste Shampoo Paste was specifically developed for those with short or naturally oily hair. The special formula washes hair and scalp with a light foam, leaving hair soft with an intense feeling of cleanliness. The presence of the surfactant Olivem® 460 and the emollient Olivem® 300, both derived from olive oil fatty acids, makes the formula both powerful and delicate. Florasolvs® Jojoba-120 has a very mild detergent action and improves rinse-off. Sodium Stearate OP™-100 V is a vegetable-derived fine powder which has been used as a gelling agent, providing structure to the product. The formula is also enriched with Biochemica® Biovera 200x Aloe, a powerful soothing agent, and Eurol® BT, an antioxidant and anti-irritant active ingredient.

Biochemica® BioVera 200X Aloe
Powerful soothing agent

RTD™ Coco Sulfate
Anionic surfactant in fine noodle form

Florasolvs® Jojoba-120
Has a very mild detergent action and helps the rinse-off

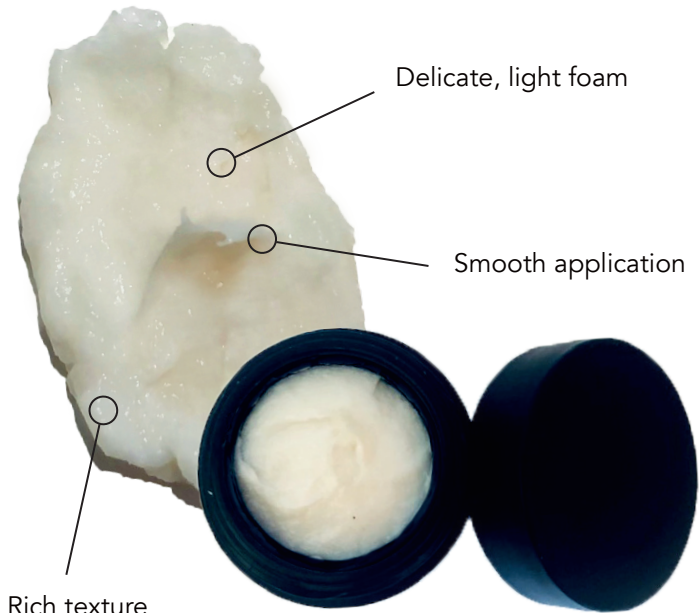
Sodium Stearate OP™-100 V
Viscosifier agent

Potassium Stearate OPK™-1000
Cleansing agent

Olivem® 300
Provides strong emolliency and lubricant properties

Olivem® 460
Mild surfactant, reduces the formulation's irritation index

Eurol® BT
Antioxidant and anti-irritant active ingredient



How to use: Wet your hair, then take a nut-size amount of product, rub it in your hands to create a foam, and apply it to your hair.

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Phase	INCI Name [INN/SAN] (Other Information)	Trade Name	% Wt	Function
A	Water (Aqua) (deionized)		Up to 100	Volatile Carrier
	Glycerin		5.00	Humectant
	Aloe Barbadensis Leaf Juice	Biochemica® BioVera 200X Aloe	0.20	Active Ingredient
	Guar Hydroxypropyltrimonium Chloride		0.20	Conditioning Agent
	Panthenol		0.50	Active Ingredient
	Sodium Coco-Sulfate	RTD™ Coco Sulfate	5.00	Anionic Surfactant
	Jjoba Wax PEG-120 Esters	Florasolvs® Jjoba-120	5.00	Foam Stabilizer
	Sodium Stearate	Sodium Stearate OPT™-100V	4.00	Structuring agent
Potassium Stearate	Potassium Stearate OPK™-1000	5.00	Cleansing Agent	
B	Olive Oil PEG-7 Esters	Olivem® 300	5.00	Emollient/Sebum - Recovering Properties
	Sodium PEG-7 Olive Oil Carboxylate (61% solids)	Olivem® 460	10.00	Mild Anionic Surfactant
	Olea Europaea (Olive) Leaf Extract, Water	EuroI® BT	0.50	Multifunctional Active Ingredient
	Preservative		a.n.	Preservative

Preparative procedure

1. Prepare phase A and heat it up to 80-85°C.
2. Mix at 150 rpm until the phase is homogeneous, maintaining the temperature.
3. Cool down phase A to 50-60°C.
4. Stir phase B very slowly into phase A and mix at 100 rpm for 2 minutes.
5. Pour into a proper packaging.

Product characteristics (25°C)

- **Appearance:** White pourable paste

Sun-Safe Scalp Protection Powder SPF 30

Formula Number: JZ13-285

Hats off to safeguarding your scalp in the sunshine! This lightly tinted powder sunscreen provides 100% non-nano mineral broad spectrum UV protection. As demonstrated here, zinc oxide dispersion HallBrite® EZ-FLO ZDX can be easily combined with different powders to form a uniform system. Sensolene® Light ET introduces superior emolliency with antioxidant benefits. Biochemica® Argan Oil Refined improves moisturization, softens rough, dry skin, and imparts luster and strength to hair without weighing hair down. Sun-Safe Scalp Protection Powder was subjected to *in vitro* analysis and delivered SPF ~33, PFA (PPD) ~14, UVA1/UV = 0.94, and critical wavelength 387nm.

Biochemica® Argan Oil Refined

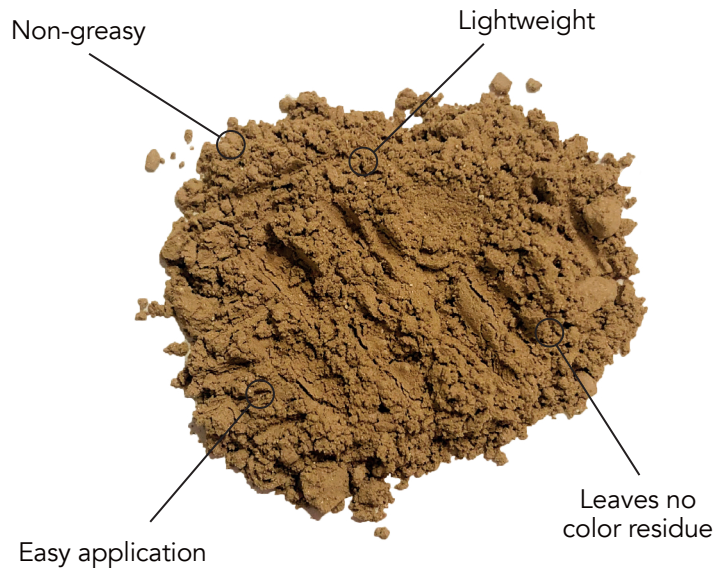
Improves moisturization, and imparts luster and strength to hair

Sensolene® Light ET

Shine-enhancing agent

HallBrite® EZ-FLO ZDX

Combines the benefits of non-nano ZnO performance with built-in photoprotection technology



How to use: Spray one to two inches away from your part. Don't forget other areas of your scalp that are exposed to the sun, like your hairline. Blend in with your fingertips or your hairbrush. For all hair types. Reapply often for maximum protection from the sun's harsh rays.

Sun-Safe Scalp Protection Powder SPF 30

Formula Number: JZ13-285

Phase	INCI Name [INN/SAN] (Other Information)	Trade Name	% Wt	Function
A	Mica		Up to 100	Structurant
	Silica (spherical, 12 µm)		8.00	Emollient/Slip Aid
B	Argania Spinosa Kernel Oil	Biochemica® Argan Oil Refined	1.00	Emollient
	Ethyl Olivat, Olea Europaea (Olive) Leaf Extract	Sensolene® Light ET	1.00	Multifunctional Emollient
C	Zinc Oxide (and) Jojoba Esters		17.00	UV Filter/Sunscreen Agent/Carrier System
	Titanium Dioxide [Titanium Dioxide] (CI 77891), Triethoxycaprylylsilane		a.n.	Pigment
	Iron Oxides (yellow) (CI 77492), Triethoxycaprylylsilane		a.n.	Pigment
	Iron Oxides (red) (CI 77491), Triethoxycaprylylsilane		a.n.	Pigment
	Iron Oxides (black) (CI 77499), Triethoxycaprylylsilane		a.n.	Pigment
	Preservative		a.n.	Preservative
	BHT		a.n.	Antioxidant Agent
D	Zinc Oxide (60%), Butyloctyl Salicylate, Tricetareth-4 Phosphate, Triethoxycaprylylsilane	HallBrite® EZ-FLO ZDX	14.00	UV Filter/Sunscreen Agent/Carrier System

Preparative procedure

1. Add phase A to the main vessel and mix until uniform.
2. Slowly add phase B to phase A while mixing.
3. Add phase C into phase AB. Mix well until color is uniform.
4. Slowly add phase D in by mixing until uniform.

Product characteristics (25°C)

- **Appearance:** Tinted powder



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