2025/26

Gilas

www.gilas.eu

Index

Story

Portfolio

Our values

WE CRAFT PLANT-DERIVED INGREDIENTS FOR YOUR COSMETIC FORMULATIONS

It's a matter of quality.

Our products respect the most rigid standards, to deliver the best ingredients to the best producers in the world.

Gilas is a family-owned company that has been operating in the cosmetic raw materials sector for over 15 years. The company specializes in formulating, manufacturing and commercialise ingredients, raw materials and semi-finished products for leading cosmetic manufacturers.

Gilas' operational headquarter is located among the hills of the Piacenza countryside (Italy), an area surrounded by nature that inspires the company's commitment to preserving environmental well-being through its work. Gilas develops plant-derived products characterized by high quality standards, supported by continuous research into cutting-edge technologies and innovative ingredients.

New solutions to old problems. We strive and thrive to research and innovate. We aim to clearing out the obsolete, to make space for the new, the modern, the young, the fresh.

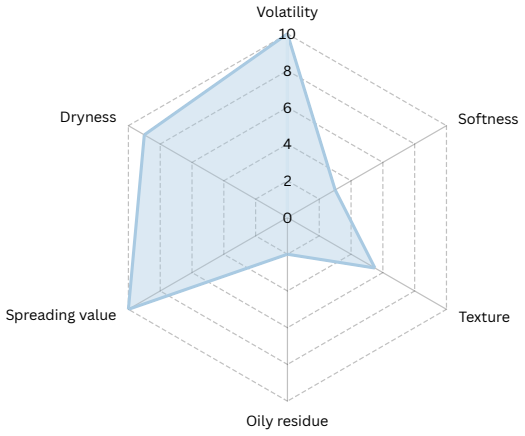
Emollients

Alternative to volatiles oils

Volatile silicone oils are among the most commonly used synthetic oils in cosmetic applications. They are highly valued for their excellent **spreadability** and pleasant **sensory profile** on the skin; however, their negative environmental impact is well documented and their use is increasingly restricted by new regulations that drive the development and adoption of alternative solutions.
The **Gilsolide® product range** offers a highly effective, biodegradable, and eco-friendly alternative that meets the evolving needs of the modern cosmetic industry.

Gilsolide® HVN

INCI name: C13-14 Alkane (and) Polyglyceryl-4 Oleate (and) Glyceryl Olivate



Gilsolide® HVN is a dry emollient oil with high spreadability, manufactured from vegetable-derived raw materials and completely biodegradable.

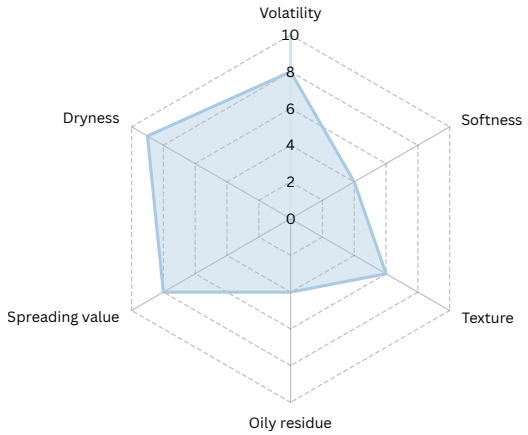
It can be used as an alternative to volatile oils as, for example, Cyclomethicone (D5), Isohexadecane, Alkanes and so on.

Gilsolide® VN

INCI name: C13-14 Alkane (and) Polyglyceryl-4 Oleate (and) Glyceryl Olivate

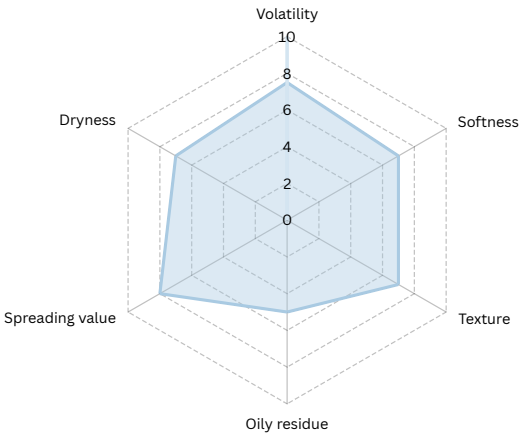
Gilsolide® VN is an emollient oil with high spreadability, developed from a mix of vegetable components derived from food grade Brassica Campestris (Rapeseed) seed oil and Olea Europea (Olive) Fruit Oil with similar properties to volatile silicon oil.

Gilsolide® VN is slightly less light than Gilsolide® HVN, but lighter than Gilsolide® CN.



Gilsolide® CN

INCI name: Polyglyceryl-4 Oleate (and) Glyceryl Olivate (and) C13-14 Alkane

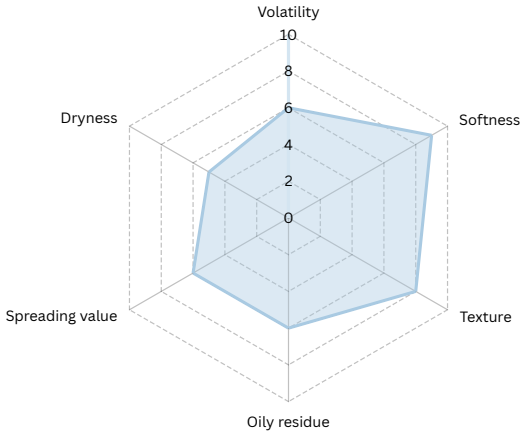


Gilsolide® CN is a “green” alternative to volatile silicon oils, manufactured from vegetable-derived raw materials and completely biodegradable.
It imparts a dry and silky texture, it is an excellent dispersing agent, and, thanks to the presence of Olive Oil derivatives, it is also very appreciated for its moisturizing properties.

Gilsolide® ECN

INCI name: C13-14 Alkane (and) Polyglyceryl-4 Oleate (and) Glyceryl Olivate

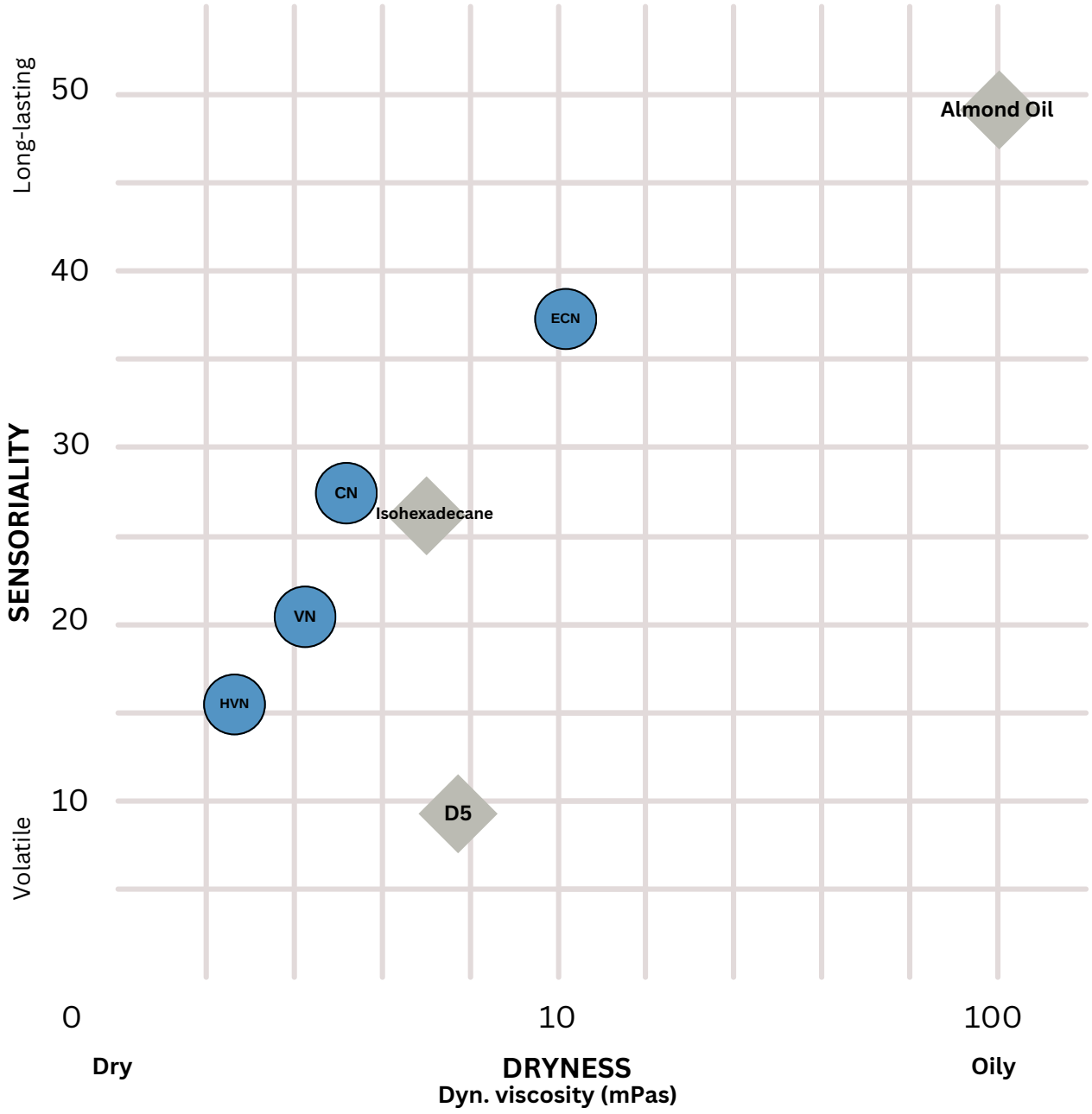
Gilsolide® ECN is a “green” alternative to volatile silicon oils and an alternative to Squalane.
It is a mix of plant-derived components obtained from food grade Brassica Campestris Seed Oil and Olea Europea Fruit Oil with similar proprties to silicon oil, Squalane, and light esters.
It is an excellent dispersing agent, and it is also apreciated for its moisturizing properties



The entire Gilsolide®product range is characterized by its non-greasy feel, excellent spreadability, low to very low viscosity, and its colorless, odorless nature.

Gilsolide® range properties comparison

		Gilsolide® CN	Gilsolide® VN	Gilsolide® HVN	Gilsolide® ECN
Density at 20°C	[g/ml]	0.760-0.780	0.750-0.770	0.740-0.760	0.810-0.840
Refractive Index	[nD20]	approx. 1.4295	approx. 1.4289	approx. 1.4216	approx. 1.4330
Viscosity at 20°C	[mPas]	approx. 2.5	approx. 2.3	approx. 1.5	-
Surface Tension at 20°C	[mN/m]	approx. 30	approx. 28	approx. 25	-
Pour Point	[°C]	approx. 7	approx. 6	approx. -10	-
Flash Point	[°C]	115-120	113-117	70-80	230-240



D5 Silicones/Volatile oils/Vegetable oils

HVN Gilsolide® product range

Solubilizers

Gilasol

INCI name: Polyglyceryl-3 Cocoate (and) Caprylyl/Capryl Glucoside (and) Polyglyceryl-6 Laurate

Gilasol is a high performing natural solubilizer, based on vegetable derived raw materials.
It offers a remarkable solubilizing property when used to solubilize essential oils, fragrances, vegetable oils, esters, etc.
It is developed for cold process but can be used also for warm process formulations.

Gilasol is used when an oily product needs to be dissolved in a water-based application or when you want to increase an emollient feeling.
It can be used also as a co-emulsifier, in presence of low HLB emulsifier, thanks to its high HLB and its good water affinity.
Gilasol is compatible with anionic and cationic raw materials and pH doesn't affect its properties.

Appearance	Clear to slighty cloudy liquid
Colour	Yellow
Solubility	Perfect in water, dispersible in oil
pH-5% in water	5,00-7,00
Density	1,1000-1,2000 mPa.s

Average % of use in general formula:
Shampoo (3-10%)
Make Up Remover (2-5.5%)
Antiperspirant (0.8 – 4.5%)
Conditioner (0.3 – 1%)

Gilasol 100

INCI name: Caprylyl/CaprylGlucoside (and) Polyglyceryl-4 Caprate (and) Polyglyceryl-6 Laurate

Gilasol 100 is a high performing natural solubilizer, based on vegetable derived raw materials.
It offers a remarkable solubilizing property when used to solubilize essential oils, fragrances, vegetable oils, esters, etc.
It is developed for cold process but can be used also for warm process formulations.

Gilasol 100 is used when an oily product needs to be dissolved in a water-based application, or when you want to increase an emollient feeling.
It can be used also as a co-emulsifier, in presence of low HLB emulsifier, thanks to its high HLB and its good water affinity.
Gilasol 100 is compatible with anionic and cationic raw materials and pH doesn't affect its properties.

Appearance	Clear to slighty cloudy liquid
Colour	Yellow / orange
Solubility	Perfect in water, dispersible in oil
pH-5% in water	5,00-7,00
Density	5000-7000 mPa.s

Average % of use in general formula:
Shampoo (2-7%)
Make Up Remover (1-4%)
Antiperspirant (0.5-3.5%)
Conditioner (0.3 – 2%)

Gilasol Plus

INCI name: Caprylyl/CaprylGlucoside (and) Polyglyceryl-4 Caprate (and) Coco-Betaine

Gilasol Plus is a high performing natural solubilizer, based on vegetable derived raw materials.
It offers a remarkable solubilizing property when used to solubilize essential oils, fragrances, vegetable oils, esters, etc.
It is developed for cold process but can be used also for warm process formulations.

Gilasol Plus is used when an oily product needs to be dissolved in a water-based application or when you want to increase an emollient feeling.
It can be used also as a co-emulsifier, in presence of low HLB emulsifier, thanks to its high HLB and its good water affinity.
Gilasol Plus is compatible with anionic and cationic raw materials and pH doesn't affect its properties.

Appearance	Clear to slighty cloudy liquid
Colour	Light Yellow
Solubility	Perfect in water, dispersible in oil
pH-5% in water	5,00-7,00
Density	5000-7000 mPa.s

Average % of use in general formula:
Shampoo (2-5%)
Make Up Remover (1-4%)
Antiperspirant (0.5-3.5%)
Conditioner (0.3 – 2%)

Examples of different quantities of **Gilasol**, **Gilasol100** and **Gilasol Plus** to solubilize 1g of essential oils / fragrances in 100g of demineralised water:

1g (Essential Oil / Fragrance)	Gilasol	Gilasol 100	Gilasol Plus
E.O. Eucalyptus	10g	8g	7g
E.O. Lavender	7g	7g	5.5g
E.O. Lemon	9g	8g	7g
E.O. Rosemary	10g	10g	12g
E.O. Bergamot	10g	10g	12g
Madagascar Vanilla	7g	8g	5g
E.O. Thyme	9g	8g	10g
E.O. Geranium	8g	8g	7g
E.O.Mint	8g	8.5g	8g
E.O.Orange	9g	9g	7g
E.O.Chamomile	7g	8g	5g
E.O.Myrte	10g	11g	10g
Fragrance 169-191	7.5g	8g	8g
Fragrance HL	7g	7g	7g
Fragrance Red Rose	9g	9g	8g
Fragrance Damask Rose	9g	8g	11g
MCT	11g	10g	10g

Emulsifiers

Emugil K

INCI name: PotassiumCetyl Phosphate (and) PCA Glyceryl Oleate (and) Caprylyl/Capryl Glucoside

Emugil K is a new concept of emulsifier, that matches the properties of a well known O/W emulsifier with the strong moisturizing and protective properties of a PCA derivative.

The moisturizing and emulsifing abilities of Emugil K are recommended for the treatment of skin and hair issues with a particular attention for hair dyes emulsions thanks to the ability of Emugil K to work at basic pH.
As a result, Emugil K is a skin and hair friendly emulsifier, 100% from vegetable raw materials, environmentally friendly.

- Self-emulsifing
- Highly moisturising
- 100% biodegradable
- Emollient, high stability
- Completely safe for topical use
- China approved

Appearance	Waxy paste
Colour	Ivory
Solubility	Miscible by stirring
pH-5% in water	5,00-7,00
Content:	
Active substance	90% min
Water	10% max
Glycerin	1% max

Theomulse™ N

INCI name: Theobroma Cacao (Cocoa) Seed Butter (and) Glyceryl Stearate (and) Polyglyceryl-4 Oleate (and) Sodium Lauroyl Glutamate.

Theomulse™ N is a non ionic, skin friendly surfactant for the manufacture of emulsions. It is obtained by formulating food grade Theobroma Cocoa butter, with a vegetal derived Glutamate, an Olive ester of Poliglycerol and a natural ester of vegetable Glycerin.

Theomulse™ N combines the features of the Cocoa Butter with the gentleness of Glutamates and Olive Polyglycerols.
As a result, Theomulse™ N is a skin friendly emulsifier, 100% from vegetable raw materials, environmentally friendly.

- Self emulsifing
- Rich in Theobroma Cacao
- 100% biodegradable
- Good viscosity
- Completely safe for topical use
- Highly stable against oxidation

Appearance	Waxy flakes or waxy blocks
Colour	Ivory
Solubility	Miscible by stirring
pH-5% in water	5.5-6.5
Content:	
Active substance	93% min
Water	7% max
Glycerin	1% max

Emulsifiers

Theomulse™ OE

INCI name: Theobroma Cacao (Cocoa) Seed Butter (and) Glyceryl Olivate (and) Polyglyceryl-4 Oleate.

Theomulse™OE is a nonionic, skin friendly, palm free, vegetable derived surfactant to manufacture emulsions. It is obtained by formulating food grade Theobroma Cocoa butter, with vegetal derived raw materials, an Olive ester of Poliglycerol and an Olive ester of Glycerin. Cocoa butter is one of the most stable natural butters, ideal to produce soaps, creams and detergents, due to its velvety texture and its emollient properties.

The moisturizing abilities of Cocoa butter are frequently recommended for the prevention and treatment of skin issues as chapped lips and dry skin. Theomulse™ OE combines these features with the gentleness of olive-derived ingredients to produce an active, eco-friendly, and naturally derived emulsifier.

- Self emulsifing
- Rich in Theobroma Cacao
- 100% biodegradable
- Good viscosity
- Completely safe for topical use
- Highly stable against oxidation

Appearance	Waxy flakes or waxy blocks
Colour	Ivory
Solubility	Miscible by stirring
pH-5% in water	5.5-6.5
Content:	
Active substance	93% min
Water	7% max
Glycerin	1% max

Emulsifiers

Oleagil

INCI name: Glyceryl Olivate

OLEAGIL is a high-performance co-emulsifier, emollient, and moisturizing agent specifically developed to suit even the most sensitive skin types. This ingredient offers an exceptionally comfortable application, leaving the skin soft and non-tacky. As a derivative of olive oil, it boasts remarkable properties regarding hydration, visco-elasticity, anti-redness, and "carrier" activity. It is a COSMOS-approved and PEG-free raw material.

- PEG-free and COSMOS approved
- Effectively stabilizes liquid crystal structures within emulsions.
- Minimizes formulation challenges and ensures ease of use during the manufacturing process.
- Produces bright, glossy, and pure white emulsions with long-lasting moisturizing and conditioning effects.
- Capable of emulsifying substantial oil phases (exceeding 25%), while ensuring optimal stability with lipid ranges between 5% and 25%, including polar vegetable oils, esters, and silicones.
- Derived entirely from plant-based sources, specifically olive oil and vegetable glycerin.

Produced through the esterification of olive oil fatty acids with vegetable glycerin, OLEAGIL stabilizes the oil phase in emulsions while conferring a long-term moisturizing effect. Consequently, emulsions appear remarkably bright and white, providing a unique fresh and silky touch even when containing high percentages of lipids. Furthermore, it increases the density of the formulation, particularly in the presence of high oil or ester concentrations.
OLEAGIL is manufactured exclusively from plant-based raw materials and is free from soaps, ethoxylates, pesticides, and microplastics. It can promote the formation of liquid crystal emulsions by stabilizing the lattice structure. The olive-derived component is responsible for rapid skin absorption and the resulting soft, velvety after-feel.

Appearance	Flakes
Odor	Characteristic
Saponification value	165-180
Acid Value	0.00-2.00
Free Glycerol	0.00-5.00
Shelf life	12 months

Applications:
OLEAGIL is recommended for the production of bright, white O/W (oil-in-water) emulsions for various cosmetic applications, such as:

- Moisturizing face and body creams and lotions
- Eye contour creams
- Products for sensitive skin
- After-sun creams and lotions
- Baby care products
- Nourishing hair creams
- Anhydrous ointments for sensitive skin

Oleawhite

EU INCI name: Olus Oil

US and CHina INCI name: Vegetable Oil

Oleawhite is an anhydrous paste made by blending natural plant-derived tryglycerides, it is a 100% plant-derived product, whit similar properties to Petrolatum.
Oleawhite is a soft, fatty waterproof paste that has a pleasant touch , with interesting properties when used in different types of cosmetic products.

Oleawhite, thanks to its dermatological affinity, has to be considered a cosmetic ingredient for many types of formulations: its pleasant feel on the skin and the waterproof properties are just some of the positive aspects of Oleawhite.
Other very interesting characteristics when used in formulations are: film forming properties, spreading properties, pigment dispersion.

Vegetable alternative to Petrolatum
Real moisturizing properties
100% biodegradable
Waterproof properties
Completely safe for topical use
Useful as a co-emulsifiers into all types of emulsions

Appearance	Homogeneous paste
Colour	Ivory
Soluble	in mineral and vegetable oil
Insoluble:	in water
Active substance	100%

Oleawhite Application:

Suggested pourcentages

Creams and lotions: 1 - 25%
Skin serum: up to 60%
Lip sticks: 1 - 10%
Lip butter: 1 - 40%
Shampoos and shower products: 0.5 - 2%
Baby care: 1 - 40%
Wet wipes: 0.5 - 2%

Hydrating Emollients

Olealight™ L

INCI name: Butyrospermum Parkii (Shea Butter) (and) Olea Europea (Olive) Fruit Oil (and) Glyceryl Olivate (and) Polyglyceryl-4 Oleate (and) Linoleic Acid

Olealight™ L is a 100% vegetable origin product, with similar properties to Lanoline.
Olealight™ L is an anhydrous paste made by blending a natural vegetable butter, rich in unsaponifiable fraction, with Olive Oil derived and Grape seed oil derived, this last particularly rich in Omega 6.
Olealight™ L is able to absorb water up to 3-4 times its weight without losing consistency, with physical characteristics not too far from the original Lanoline.

Other very interesting characteristics when used in formulations are:
moisturization (TEWL),
skin protection,
film forming properties,
spreading and lightening properties,
pigment dispersion.
Olealight™ L is useful in many types of formulation like: sun care products, make up compositions and also any type of emulsion as a co-emulsifier and stabilizer.

- Plant-derived alternative to Animal Lanoline
- Moisturizing properties (TEWL)
- Good dispersant properties for pigments
- 100% biodegradable
- Pleasant skin feel

Appearance	Homogeneous paste
Colour	Ivory
Soluble	in mineral and vegetable oil
Insoluble:	in water
Active substance:	99%
Unsaponifiable matter	3% min
Omega 6	2,5% min

Olealight L Application:

Suggested pourcentages

Creams and lotions: 1 - 15%
Skin serum: up to 30%
Lipsticks: 1 - 10%
Lip butters: 1 - 20%
Shampoos and shower products: 0.5 - 2%
Baby care: 1 - 40%
Wet wipes: 0.5 - 2%

Active ingredients

Skin care

Hyalu-Beta™

INCI name: Hydrolized Hyaluronic Acid (and) Betaine

Hyalu-Beta™ exhibits remarkable moisturizing properties stimulating the intradermal biosynthesis of the GAGs in the connective ground substance, related to the water- binding properties of these macromolecular complexes.

- Mantains the turgidity and elasticity of the tissue
- Facilitates the exchange of hydro-soluble trophic substances
- Perform antiperspirant action

Hyalu-Beta™, is based on Low Molecular Weight Hyaluronic Acid, obtained by enzymatical hydrolisis of integral Hyaluronic Acid, which is destroyed in its own constituents and it can be absorbed through the superficial layers of the epiderm.

Appearance	Powder
Colour	Whitish
Soluble	In water
Insoluble:	In oils , chloroform and ether
Active substance:	99%
Moisture	0,5%

Hyalugel™

INCI name: Glycosaminoglycans

Hyalugel increases effectively the capacity of some principles to reach the deeper epidermic cell layers, acting as a strong and physiological “penetrating factor”. Besides, it normalizes the blood flow in skin microcirculatory district related to the higher elasticity of the perivascular connective tissue.

- Mantains the turgidity and elasticity of the tissue
- Facilitates the exchange of hydro-soluble trophic substances
- Perform antiperspirant action

Hyalugel™, is based on Hyaluronan, obtained by enzymatical process and it can be absorbed
through the superficial layers of the epiderm

Appearance	Powder
Colour	Whitish-ivory
Soluble	In water eith gel formation
Insoluble:	In oils , chloroform and ether
Purity	99%
Moisture	0,5%

Active ingredients

Skin care

Hydrogil Opuntia

INCI name: Opuntia Ficus Indica stem extract

Hydrogel Opuntia has a soothing, hydrating, and emollient effect on the skin. In case of irritated or reddened skin, it ensures a rapid reduction in symptoms, significantly increasing skin hydration. The application of Hydrogel Opuntia effectively lowers TEWL levels, thus improving subcutaneous hydration and protecting the skin from dehydration.

Furthermore, the presence of Piscidic acid, combined with long-chain Polysaccharides, promotes accelerated re-epithelialization, and clinical studies have shown that Hydrogel Opuntia also improves skin elasticity by more than 7% in just 20 days of use.

- Soothing, emollient, and antioxidant action
- Mantains the turgidity and elasticity of the tissue

Appearance	Visco-elsatic liquid
Colour	light green
Soluble	In water
Insoluble:	In oils , chloroform and ether
Active substance:	99%
Moisture	0,5%

Active ingredients

Hair care

Silkelide™ HG

INCI name: Polyglycerin 3 (and) PCA (and) Betaine (and) Coconut Acid

Silkelide HG is a high perform ing natural quaternary compound, based on vegetable derived raw materials.
It offers remarkable conditioning and combing properties when used in hair care product. It is developed for cold process but can be used also for warm process.

- Compatible with anionic and cationic raw materials
- Best results with pH 4-8, but depends from the applications

Silkelide HG is used in hair care product to fight dry, brittle and damaged hair, like shampoos, hair conditioners, hair mask and so on, or to increase an emollient feeling.
Silkelide HG can be used as an active product in skincare preparations, thanks to its high moisturizing property and its water affinity.

Appearance	Clear viscous liquid
Colour	Colourless
Soluble	In water
Insoluble:	In oils
pH (20°C)	4,00 - 6,00
Denisty	1,1000-1,2000

SPF booster

Silkelide™

INCI name: Aqua (and) Polyglyceryl-4 Oleate (and) Glyceryl Olivate (and) Hydrogenated Rapeseed Alcohol (and) Poloxamer 338 (and) PPG51/SMDI Copolymer

Silkelide is the result of a thorough research study in our laboratory, on a multi active ingredient for cosmetic application.
Silkelide can increase the SPF in a sun protection formula from about 30% to 70%, depending on the formulation, the percentage of Silkelide and the type of emulsifier used.

Silkelide is able to thicken liquid emulsions, increasing the viscosity to a fluid/creamy consistency, stabilizing the emulsion and acting like a co-emulsifier.
It forms a light, elastic and silky film which protects the skin from pollution, giving a very nice touch to the finish product.

- SPF BOOSTER: incease SPF from about 30% to 70%
- Tendency to increase the viscosity
- Helps to stabilize every type of emulsion
- Skin-friendly and biodegraddable

Appearance	Viscous liquid
Colour	White
Soluble	In water and oil
Viscosity (21°C)	530 Pa-s

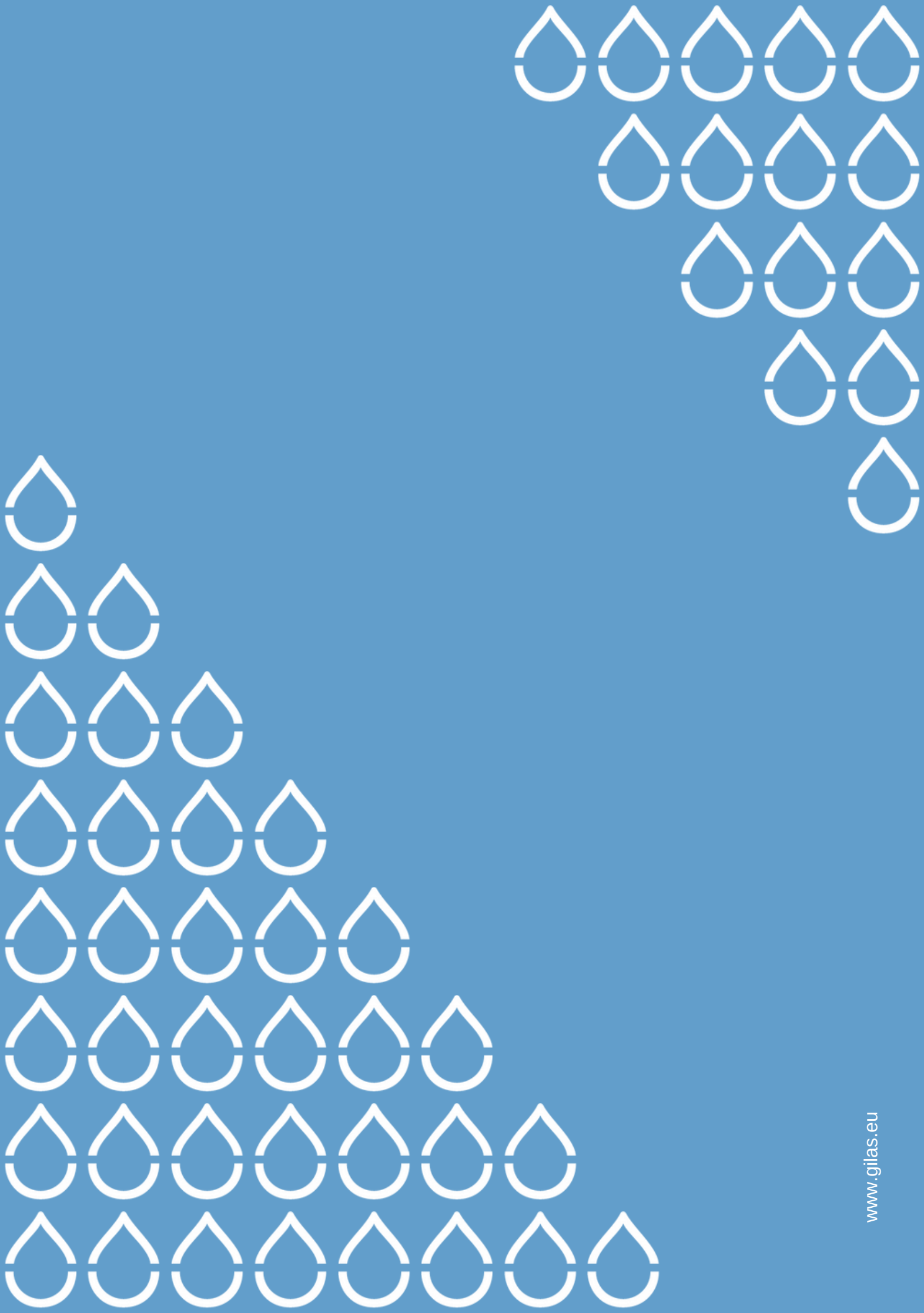
SPF IN VIVO TEST

SAMPLES: RESCONCEPT SUN SPF 30 (calculated with in vivo test) +10% SILKELIDE

Vol. N°	Sex	Age	Phototype	ITA°	MEDu (µj/cm2)	MEDp (µj/cm2)	SPFi
1	F	46	I	58	41760	2808000	67.2
2	F	49	II	51	37200	2808000	75.5
3	F	60	III	28	83520	5616000	67.2

RESULT MEAN SPF 70.0 (s-4,8)

On the basis of the tests carried out, under the adopted experimental conditions, the tested sample resconcept Sun SPF 30 + Silkelide has a mean Sun Protection Factor (SPF) of 70.0 (4.8) and according to the EC recommendation of September 22nd 2006 n. 2006/647/EC may be classified as:
labelled category: VERY HIGH PROTECTION
labelled sun protection factor: 50+



www.gilas.eu