Personal Care

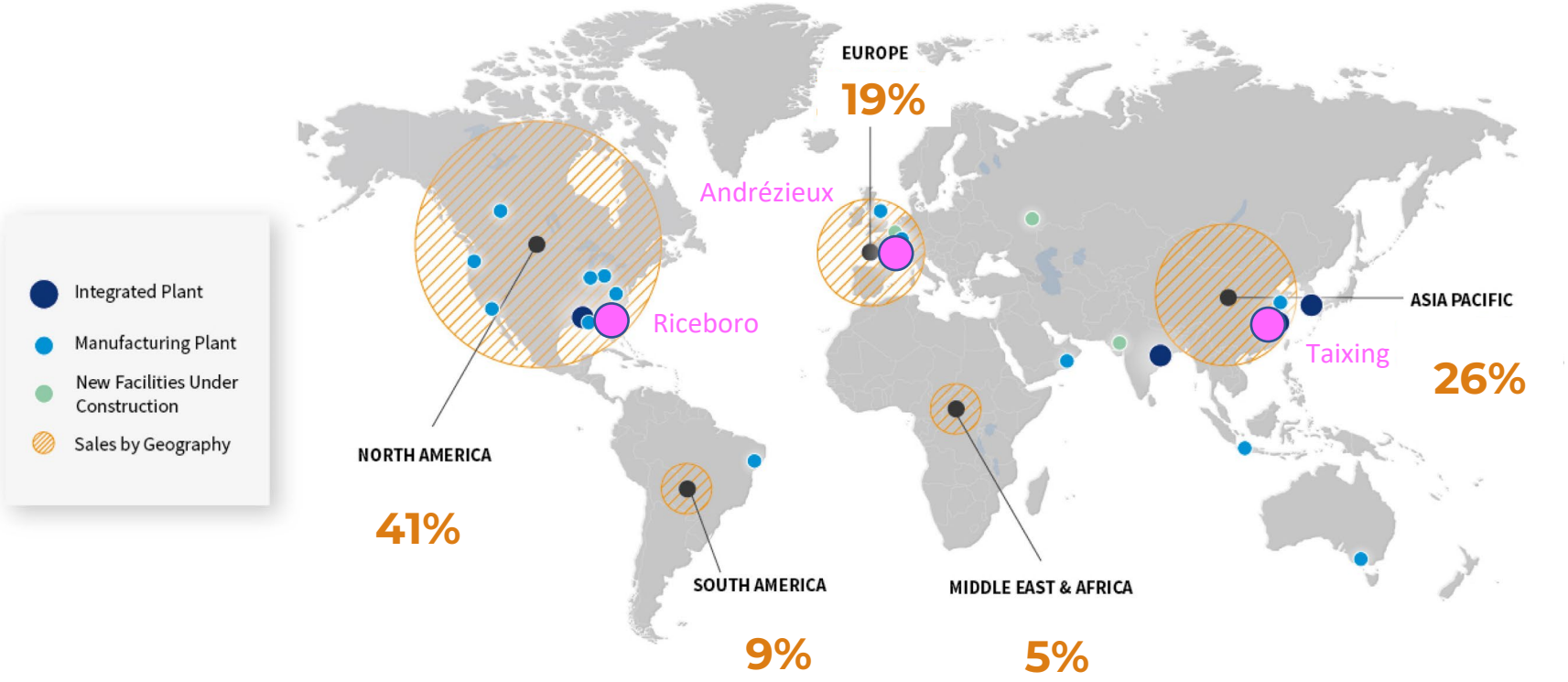
Performance Meets Beauty

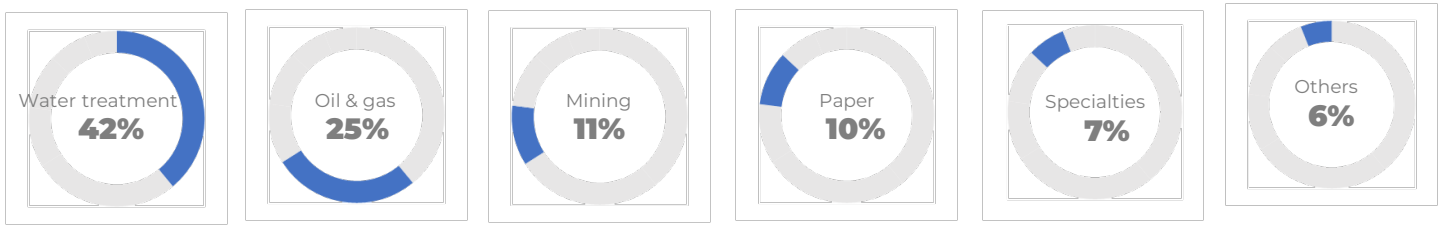
SNF

KEY FIGURES

Personal Care Plants

€ 4,5 bn	21	1235	8150
SALES TURNOVER	MANUFACTURING SITES	KT/Y	EMPLOYEES

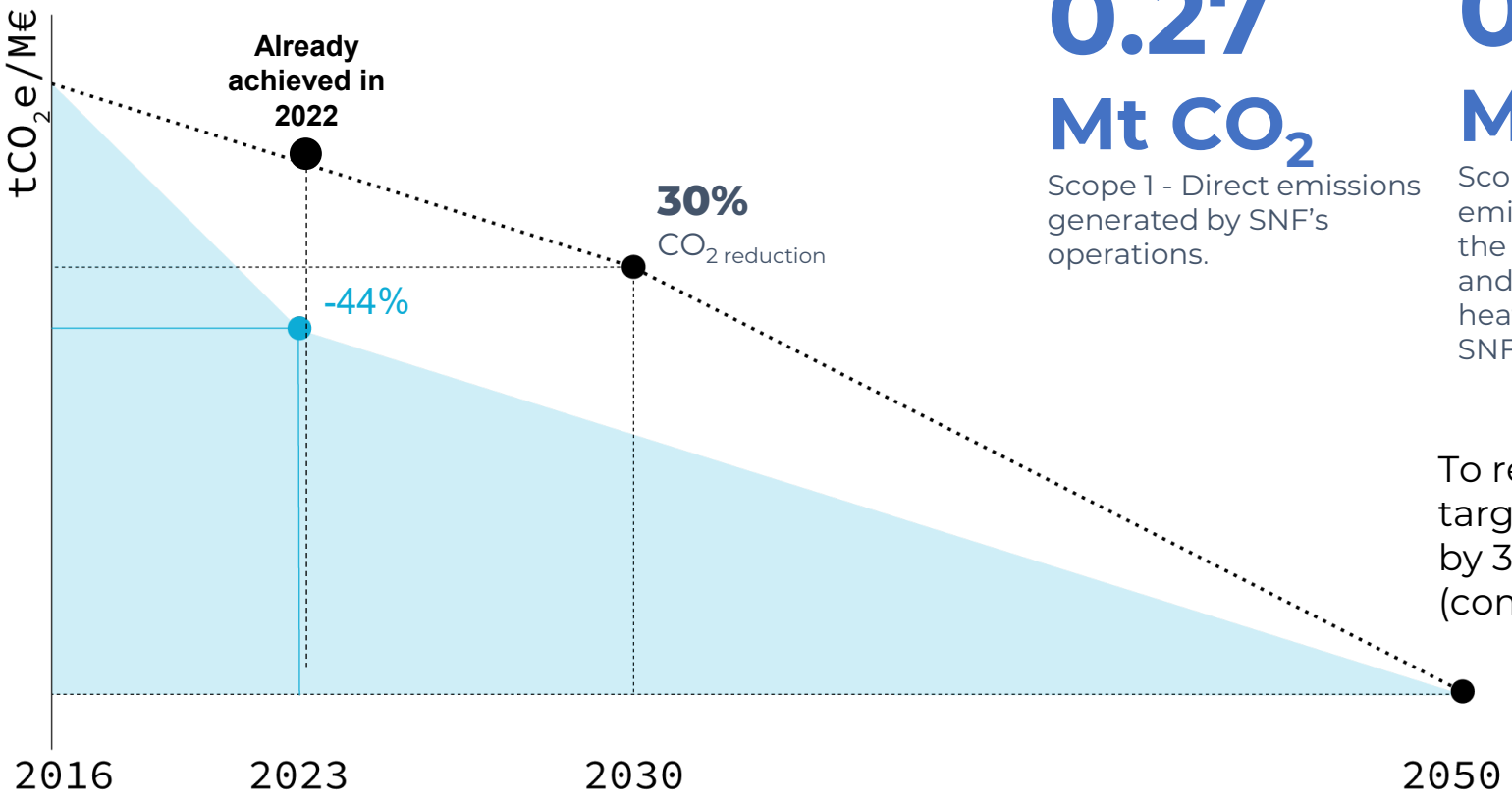




SUSTAINABILITY AT THE HEART OF OUR OPERATIONS

Carbon-neutral by 2050

2030 objectives already achieved in 2022



0.27 Mt CO_2

Scope 1 - Direct emissions generated by SNF's operations.

0.32 Mt CO_2

Scope 2 - Indirect emissions associated with the purchase of electricity, and generation of steam, heat, or cooling water by SNF.

To reach Net Zero by 2050, our target is to reduce CO2 emission by 30% by 2030 on Scopes 1 & 2 (compared to 2016).

Property of SNF – Duplication prohibited

SUSTAINABILITY AT THE HEART OF OUR OPERATIONS

93% of our sales meet UN objectives

SUSTAINABILITY IS KEY IN SNF OPERATIONS[1]...

Key focus



✓ Clean water and sanitation



✓ Responsible consumption and production



✓ Climate Action

Sustainability Success Verified

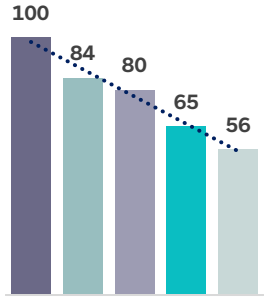
PLATINUM Top 1%
ecovadis
Sustainability Rating
SEP 2024

SNF has been rated PLATINUM by sustainability ratings firm EcoVadis (Top 1%)

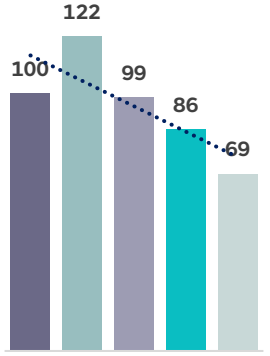
... AND RESULTED IN A SUBSTANTIAL IMPROVEMENT OF SNF ENVIRONMENTAL FOOTPRINT OVER THE PAST 5 YEARS

Ratios by M€ of sales, base 100 index 2016

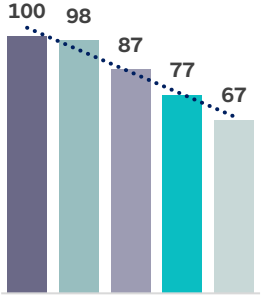
CO_2 emissions carbon eq. (Scope 1+2)

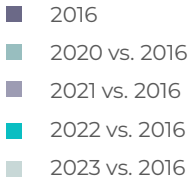


Net water consumption



Electricity consumption





Property of SNF – Duplication prohibited


Our Purpose
SNF ESG STRATEGY
ACT FOR A SUSTAINABLE FUTURE
Our Pillars
ACT FOR CARBON NEUTRALITY
ACT FOR PEOPLE
ACT FOR RESPONSIBLE CHEMISTRY
Our Foundation
TRANSPARENCY AND ETHICS WITH OUR SUPPLIERS, CUSTOMERS AND EMPLOYEES.

RESPONSIBLE CHEMISTRY

AT EACH STEP OF OUR PROCESS



Responsible Chemistry expresses our ambition to be among the **best-performing chemical companies** in terms of **sustainability.**

2 ISCC+
Certified Plants

50%
Ratio of R&D projects dedicated to reducing CO_2 and Water usage for our customers

80%
Ratio of R&D projects dedicated to Responsible Chemistry Policy

Property of SNF – Duplication prohibited

LOCAL PRODUCTION TO REMAIN COMPETITIVE AND FAST TO MARKET

Focus on R&D

150
New products per year

1,717
Active patents

=> Customers oriented with a fast-track approach (project duration <2 years)







CERTIFICATIONS & SUSTAINABILITY CREDENTIALS

RESPONSIBLE CARE®
OUR COMMITMENT TO SUSTAINABILITY

HALAL QUALITY CONTROL
HALAL HQC حلال
-SINCE -1983
®

בהכשר בית דין צדק
KLBD
דקהילה קדושה לונדון והמדינה

EFfCI
THE EUROPEAN FEDERATION FOR COSMETIC INGREDIENTS

UN GLOBAL COMPACT

CERTIFIED
ISO 14001
CERTIFIED

CERTIFIED
ISO 9001
CERTIFIED

PLATINUM Top 1%
ecovadis
Sustainability Rating
SEP 2024

GRI



Hair care

OUR MULTIFUNCTIONAL RHEOLOGY MODIFIERS

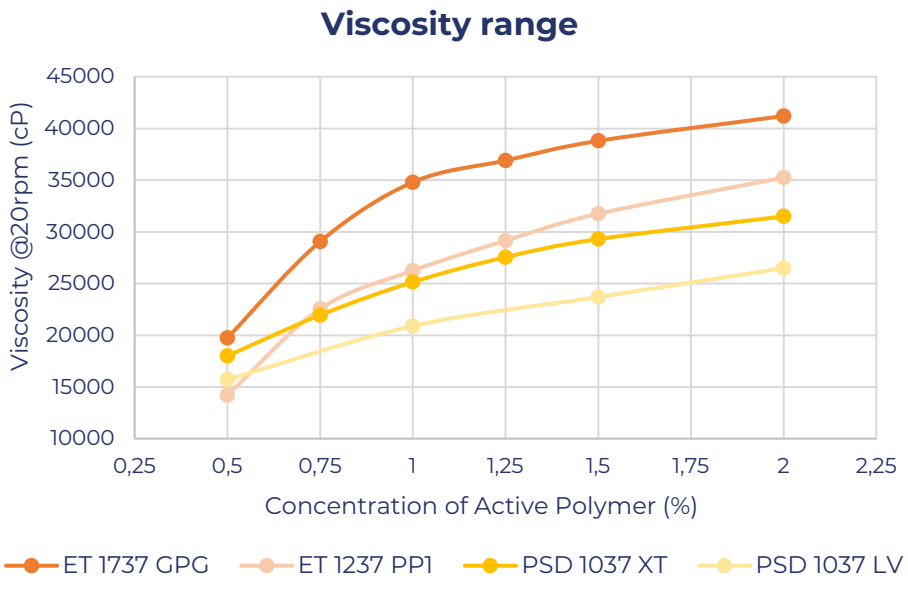
CATIONIC INVERSE EMULSIONS

PRODUCT	INCI Name
FLOCARE™ ET 1737 GPG	Polyquaternium-37, Propylene Glycol Dicaprylate/Dicaprate, PPG-1 Trideceth-6
FLOCARE™ ET 1237 PP1	Polyquaternium-37, Mineral Oil, PPG-1 Trideceth-6
FLOCARE™ PSD 1037 LV	Polyquaternium-37
FLOCARE™ PSD 1037 XT	Polyquaternium-37

Property of SNF – Duplication prohibited

FLOCARE™ PQ37 range

LARGE VICOSITY RANGE AVAILABLE

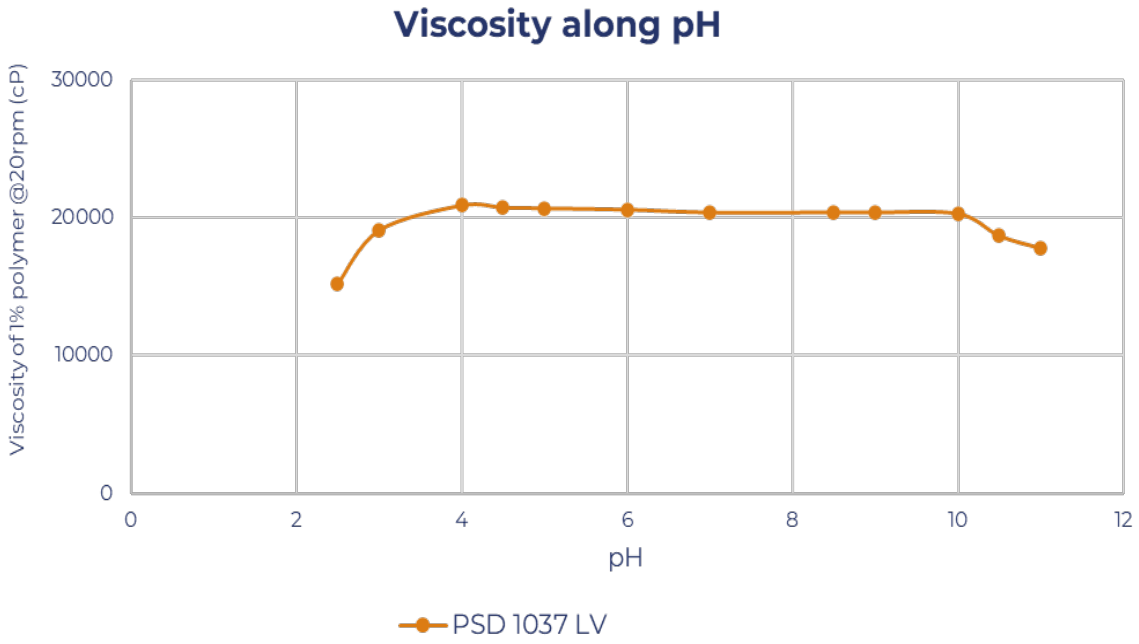


Product reference	INCI name	% Active
LIQUID DISPERSION POLYMERS - CATIONIC		
FLOCARE™ ET 1237 PP1	Polyquaternium-37 (and) Mineral Oil (and) PPG-1 Trideceth-6	48-52
FLOCARE™ ET 1737 GPG	Polyquaternium-37 (and) Propylene Glycol Dicaprylate/Dicaprate (and) PPG-1 Trideceth-6	48-52
POWDER POLYMERS (spray dried emulsion) - CATIONIC		
FLOCARE™ PSD 1037 LV	Polyquaternium-37	> 85
FLOCARE™ PSD 1037 XT	Polyquaternium-37	> 85

- High thickening efficiency: low dosage is sufficient
- Various viscosity possibilities with different grades

Property of SNF – Duplication prohibited

LARGE pH RANGE COMPATIBLE

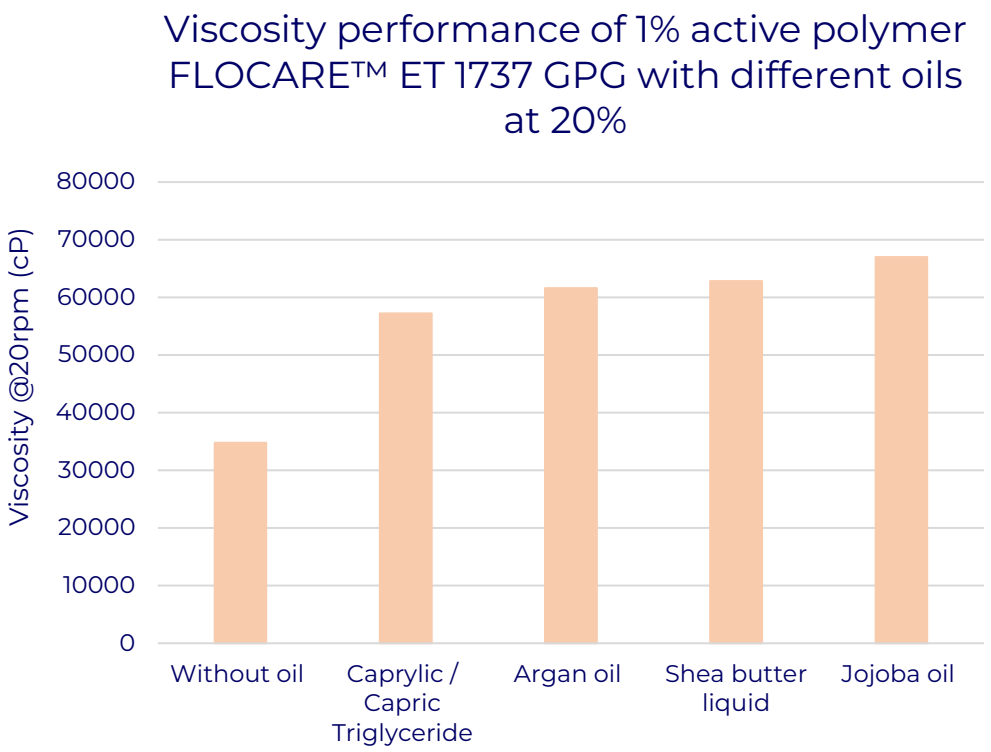




Stable over a large pH range (3-10), FLOCARE™ PQ 37 range enables **various formulation types** from damaged hair conditioning (low pH) to coloring cream (high pH)

Property of SNF – Duplication prohibited

POWERFUL SELF EMULSIFIER



FLOCARE™ PQ37 in liquid form delivers stable emulsion up to **20% of oil** without additional surfactant.

Property of SNF – Duplication prohibited

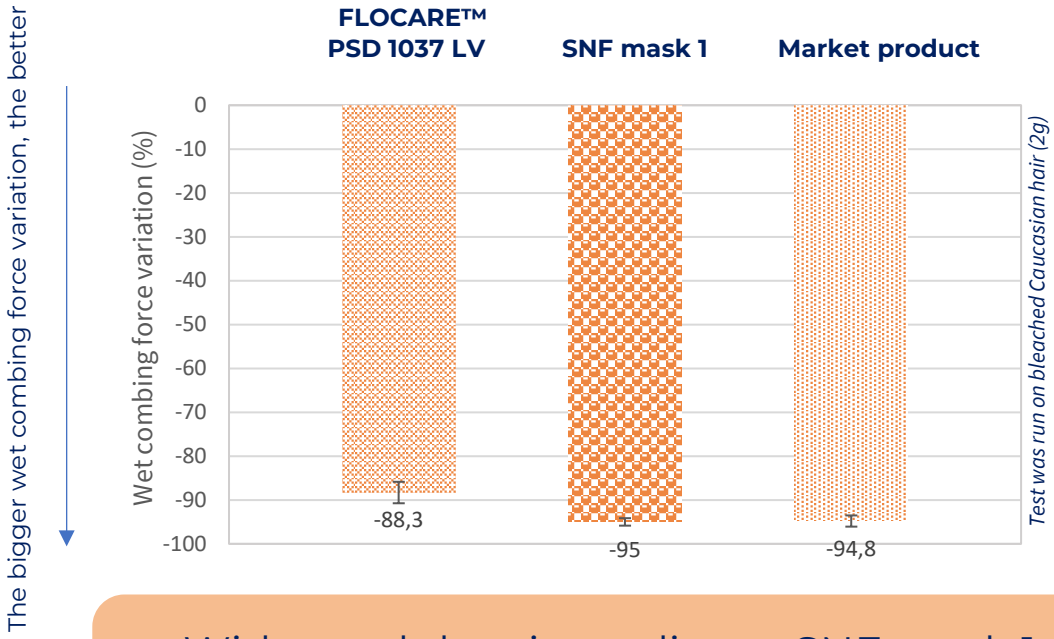
OUTSTANDING CONDITIONING BENEFIT ON CAUCASIAN HAIR

Wet combing benefit comparison of 3 masks

(Dia-Stron, internal test)

5 ingredients = 12 ingredients





Ingredient	FLOCARE™ PSD 1037 LV (%as is)	FLOCARE™ PSD 1037 LV + FLOCARE™ C139 PF (SNF mask 1) (%as is)	Market product
Water	Qsp 100	Qsp 100	12 ingredients (fragrance excluded)
Isopropyl palmitate	3%	3%	
Preservative	0.80%	0.80%	
FLOCARE™ PSD 1037 LV	**2.11%**	**2.11%**	
FLOCARE™ C139 PF	**-**	**3%**	

- FLOCARE™ PQ37 improves wet combing significantly
- FLOCARE™ PQ39 boosts the conditioning benefit

With much less ingredients, SNF mask 1 reaches the same performance as the reference market product

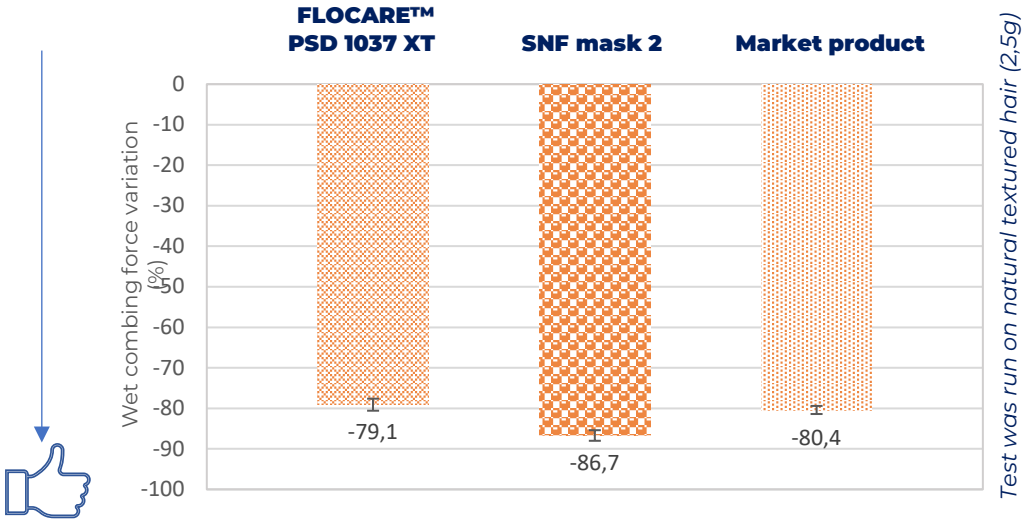
Property of SNF – Duplication prohibited

OUTSTANDING CONDITIONING BENEFIT ON TEXTURED HAIR

1. WET COMBING (Komoscience, Brazil)
Comparison of 3 masks

5 ingredients = 15 ingredients





Ingredient	FLOCARE™ PSD 1037 XT (%as is)	FLOCARE™ PSD 1037 XT + FLOCARE™ C139 PF (SNF mask 2)	Market product
Water	Qsp 100	Qsp 100	15 ingredients
Isopropyl palmitate	3%	3%	
Preservative	0.80%	0.80%	
FLOCARE™ PSD 1037 XT	**1.97%**	**1.97%**	
FLOCARE™ C139 PF	**-**	**3%**	

- FLOCARE™ PQ37 improves wet combing significantly
- FLOCARE™ PQ39 boosts the conditioning benefit

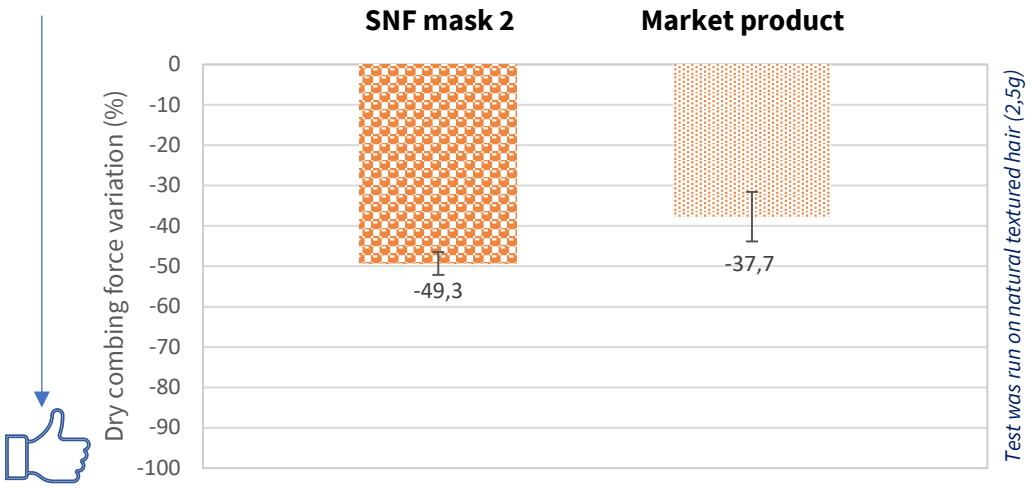
Even on textured hair and with 3 times less ingredients, SNF mask reaches better performance than the reference market product

Property of SNF – Duplication prohibited

OUTSTANDING CONDITIONING BENEFIT ON TEXTURED HAIR

2. DRY COMBING (Komoscience, Brazil)

Dry combing benefit comparison of 2 masks



Ingredient	SNF mask 2 (%as is)	Market product
Water	Qsp 100	15 ingredients
Isopropyl palmitate	3%	
Preservative	0.80%	
FLOCARE™ PSD 1037 XT	**1.97%**	
FLOCARE™ C139 PF	**3%**	



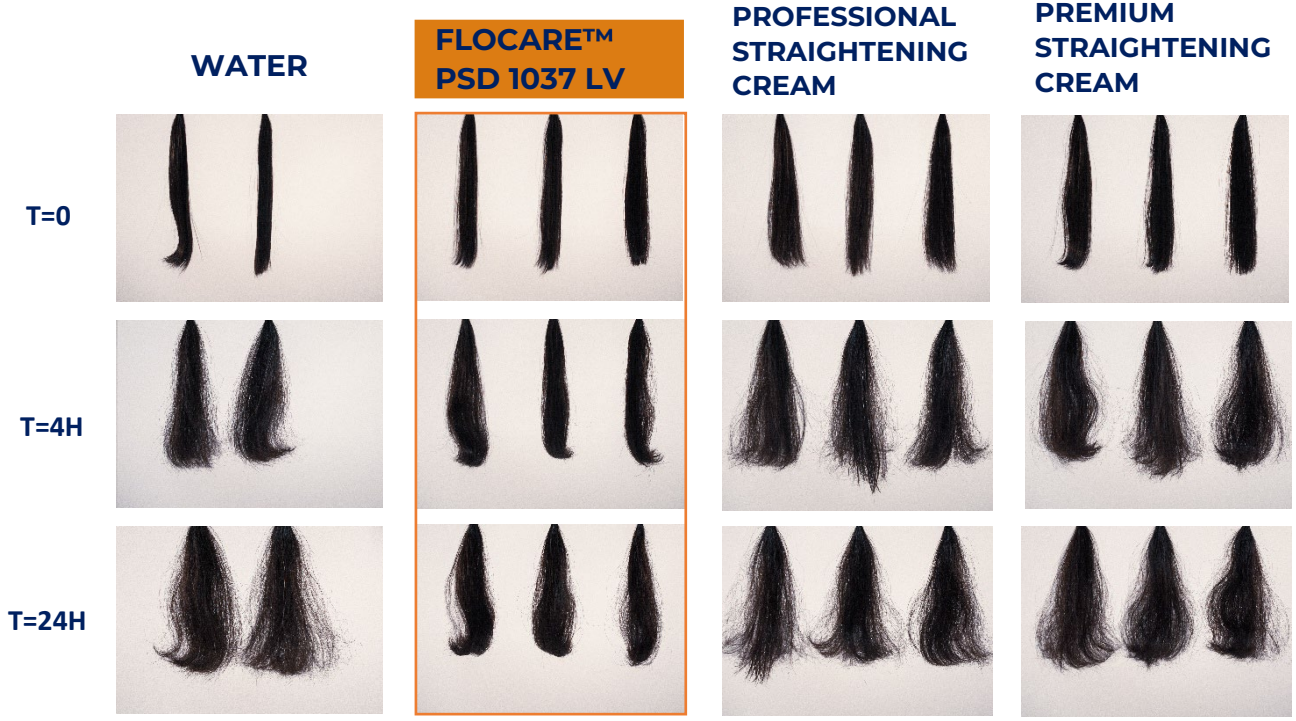
- Results in wet combing are confirmed in dry combing.
- Combination of FLOCARE™ PQ37 with FLOCARE™ PQ39 improves dry combing significantly.

On textured hair, the association of FLOCARE™ PSD 1037 XT & FLOCARE™ C 139 PF can match the performance of the reference market product based on BTMS & CTAC in both wet and dry combing

BTMS= Behentrimonium Methosulfate; CTAC= Cetrimonium Chloride

Property of SNF – Duplication prohibited

STRAIGHTENING BENEFIT



Defining cream (HC 014)

NAME	INCI	FUNCTION	As is %
Water	Aqua		qs
Glycerin	Glycerin	Humectant	2.0
FLOCARE™ PSD 1037 LV	**Polyquaternium-37**	**Rheology modifier Conditioner**	**2.0**
Jojoba oil	Simmondsia Chinensis Seed Oil	Emollient	3.0
Tocobiol C	Tocopherol	Anti-oxydant	0.05
Phenoxyethanol	Phenoxyethanol	Preservative	0.8

Volume reduction @80% HR and 25°C
Natural textured hair (Walker 3)
Application of 15% by weight of product/tress
Hair dryer and flat iron (5 times 230°C)

2024 WINNER Cosmetics & Toiletries ALLÉ AWARDS

Finished formula-mass

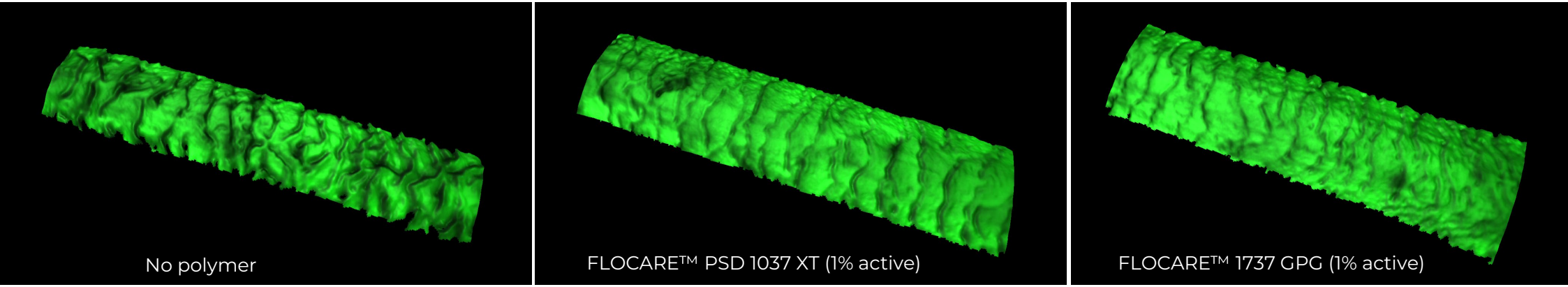
Flocare PSD 1037 LV **performs better** than the professional benchmarks containing silicones

Property of SNF – Duplication prohibited

SOFTNESS BENEFIT

The study was conducted on hair tress of 1 gram and 20 cm long moderately sensitized (Level 2) by 3 successive bleachings in simplex medium (supplier SP Equation). 20% weight hair tresses were treated with a solution of 1% Polyquaternium 37 polymer solution in water, then rinsed.

with XFluo 3D® technology (Kamax)



With the placebo, we observe that the hair has open scales (widely visible black grooves).

The hairs treated with the FLOCARE™ PQ-37 range are visually similar with little open scales (= smooth)

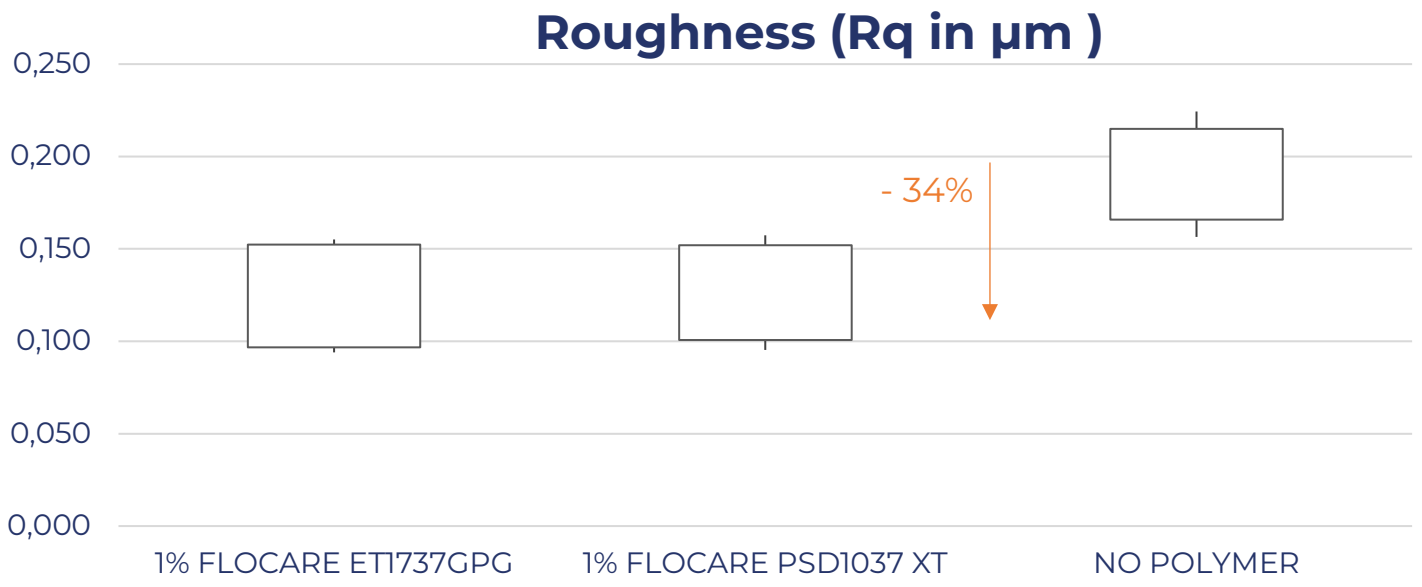
FLOCARE™ PQ-37 range brings softness to the hair

Article in the HAPPI magazine_fev23

Property of SNF – Duplication prohibited

SOFTNESS BENEFIT

Calculating the surface roughness of the hair (parameter Rq)



The roughness results demonstrate the effectiveness of the Flocare™ PQ37 range:
- 34% reduction in roughness at 1% polymer compared to placebo.
FLOCARE™ PQ-37 range brings softness to the hair

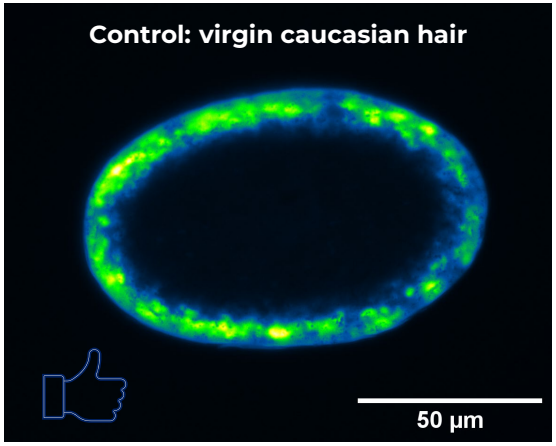
Property of SNF – Duplication prohibited

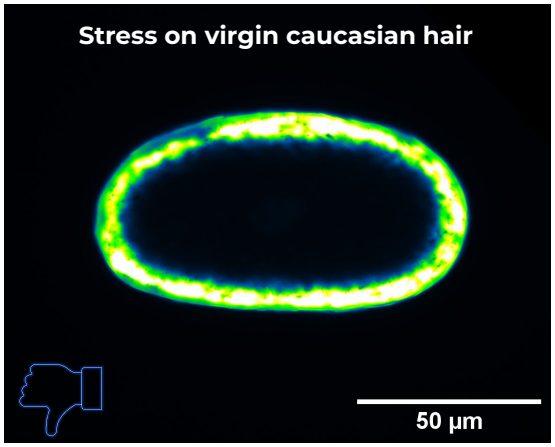
THERMAL PROTECTION (hair straightener)

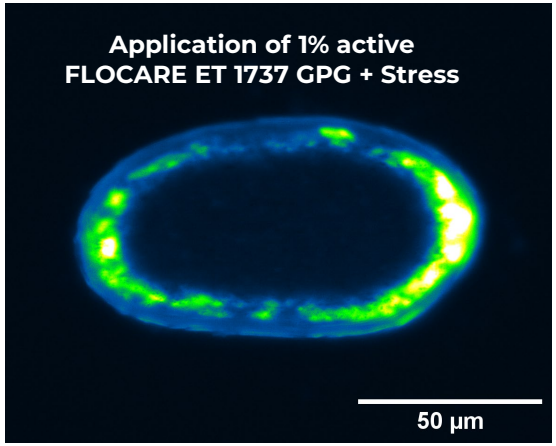
Thought the diffusion of a fluorescent probe associated to hair porosity and damaged structural integrity

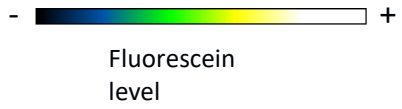
Epi-fluorescent microscope
OxiProteomics

Thermal stress = 95°C/ 1h + 3 passes with hair sraightener









The penetration of the dye (fluorescence signal) is visualized in a colour range (low levels in dark, high levels in bright colours).

The study was conducted on virgin caucasian hair tress (4g)
Leave-on application process :

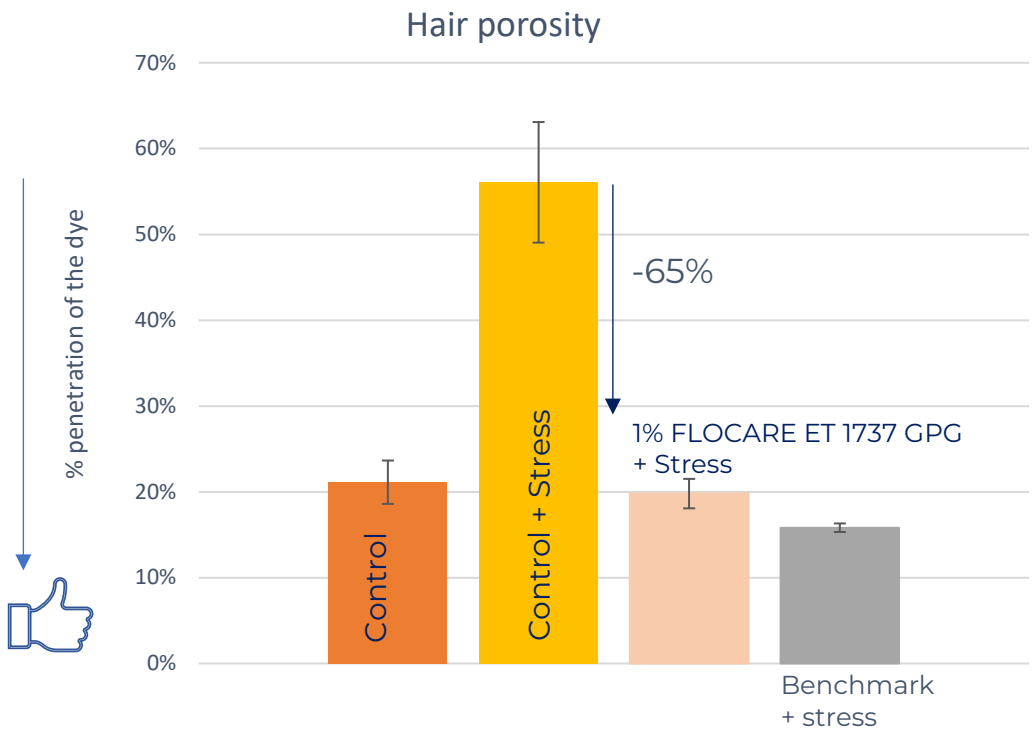
- 0.6g of solution @1% FLOCARE ET 1737 GPG was applied on a hair tress during 45 s
- Soak the hair tress
- Comb 5 times
- **Dry 1h @95°C + 3 passes iron @180°C**

The application of **1% FLOCARE™ ET 1737 GPG showed beneficial effects on the structural integrity and porosity of the hair fibers.**

Property of SNF – Duplication prohibited

THERMAL PROTECTION

The results can be expressed in % of fluorophore penetration



Test carried out on virgin caucasian hair

Applying **1% of FLOCARE™ ET 1737 GPG reduces** hair porosity **by 65% matching the performance of the control**.

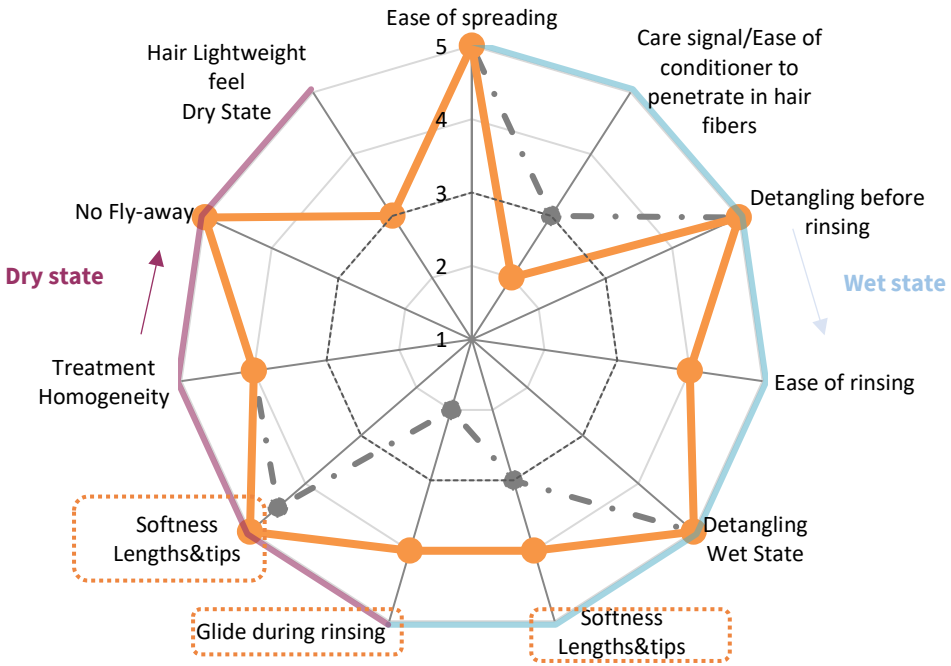
FLOCARE™ ET 1737 GPG shows **repair benefits** preserving the structural integrity and porosity of the hair fiber.

FLOCARE™ ET 1737 GPG achieves the thermal protection performance of a well-known market benchmark.

Property of SNF – Duplication prohibited

SENSORIAL ASSESSMENT ON HAIR

Mass market conditioner
Clear conditioner HC 015



Test run on Natural brazilian hair tress (Walker level 3)

CLEAR CONDITIONER (HC 015)

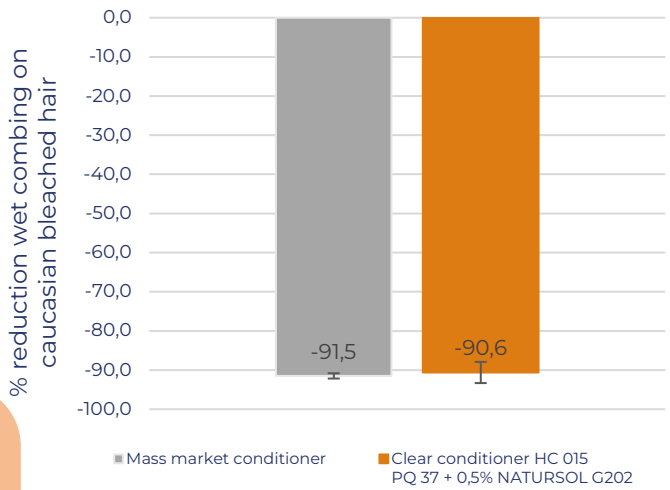


Name	INCI	Function	As is%
Water	Aqua	Solvent	To 100%
NaOH (10% solution)	Aqua, Sodium Hydroxide	pH adjuster	qs
NATURSOL™ G202	Hydroxypropyl guar hydroxypropyl trimonium chloride	Conditioner	0.50
FLOCARE™ PSD 1037 XT	Polyquaternium-37	Rheology modifier / Conditioner	1.00
Saealoe Vera Juice	Aloe Barbadensis (Leaf) Juice	Active	3.00
Phenoxyethanol	Phenoxyethanol	Preservative	0.80
Citric Acid (10% solution)	Aqua, Citric Acid	Adjust to pH 4	qs

Properties*

Appearance: Clear gel
- pH: 3.8 - 4.2
- Viscosity** (cP): 18 000 – 25 000
- Stability: Passed 3 months @ 40°C, 1 month 50°C

** measured after 24 hours*
*** Brookfield RVT, 5 rpm, spindle 4*



✓Enhanced softness
✓Better glide during rinsing
✓Equivalent combing performances compared to mass market product containing BTAC*

**BTAC = Behentrimonium Chloride*

CONCLUSION

Benefits

Sustainability

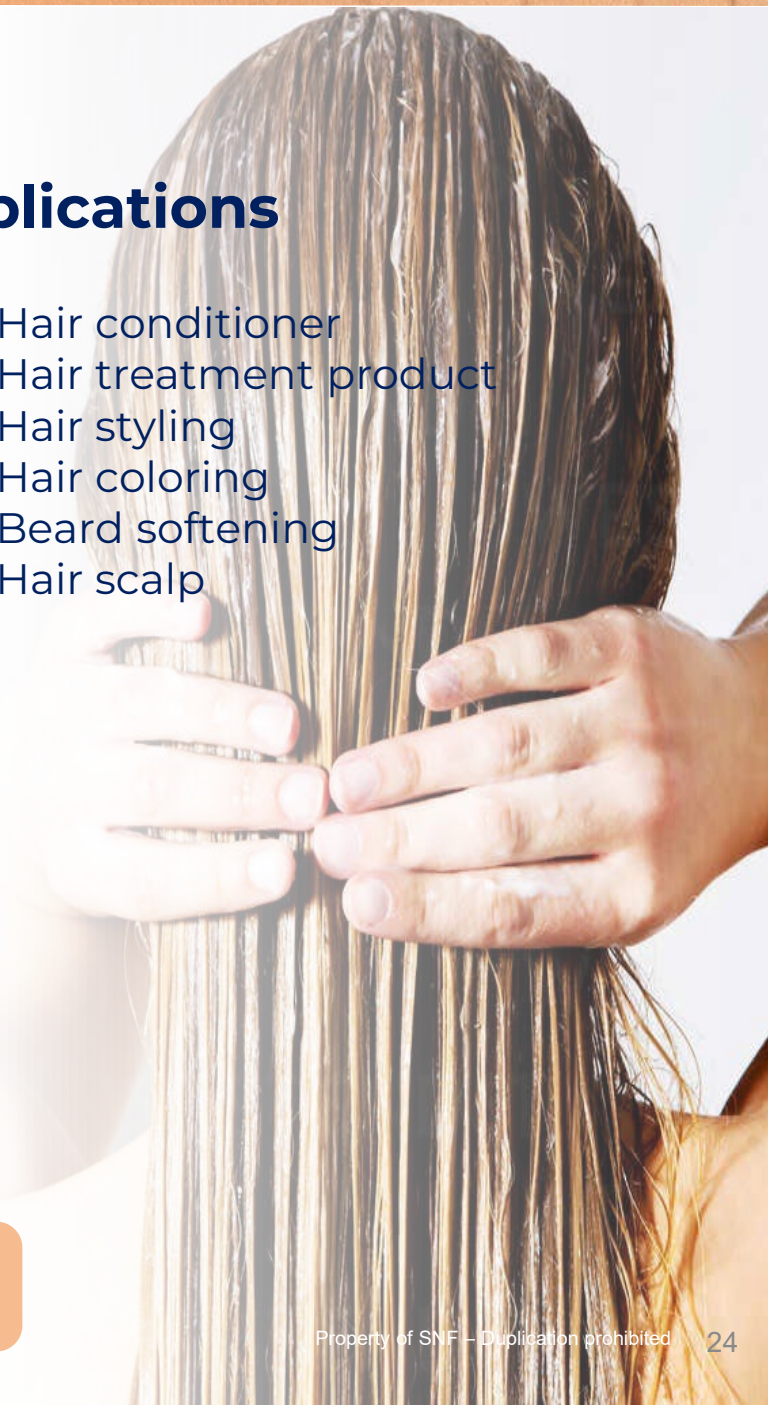
- Cold process for better sustainability
- Rapid viscosity development, time and energy saving
- Available in both liquid and powder form

- **Purity**
- Preservative free
- Ideal for minimalist formulation with short ingredient list
- Transparent formula possible with FLOCARE™ PSD 1037XT

- **Efficiency**
- Possibilities of large range viscosity over wide pH range
- Auto-emulsifying up to 20% oil
- Conditioning benefit boosted by FLOCARE™ C139 PF
- Straightening properties of FLOCARE™ PQ37 even at 80% HR
- Softness properties
- Thermal protection properties

Applications

- Hair conditioner
- Hair treatment product
- Hair styling
- Hair coloring
- Beard softening
- Hair scalp



Flocare™ PQ37: all in-one polymer !

Property of SNF – Duplication prohibited

Skin care

Liquid Dispersion Polymers - Anionic

The Greener

PRODUCT	INCI Name
Patent pending NATURSOL™ EMI *Lite*	Sodium Polyacrylate Starch, Octyldodecyl Myristate, Caprylyl/Capryl Glucoside
NATURSOL™ EMI 132	Sodium Acrylate/Sodium Acryloyldimethyl Taurate Copolymer, C15-19 Alkane, Lauryl Glucoside
NATURSOL™ EMI 30	Sodium Acrylate/Sodium Acryloyldimethyl Taurate Copolymer, Octyldodecyl Myristate, Caprylyl/Capryl Glucoside
NATURSOL™ EMI 76	Sodium Polyacrylate, Octyldodecyl Myristate, Caprylyl/Capryl Glucoside

Recommended dosage for inverse emulsion polymers in formulations: from 2 to 4% as supplied.

Considered naturally derived (ISO 16128-2:2017)

Contains natural ingredients

Property of SNF – Duplication prohibited

NATURSOL™ EMI range

A greener concept in our product range

➢ **GOOD ENVIRONMENTAL PROFILE**

offers performance and sensorial experience close to the synthetic versions. The differenciation comes from the oil and the inverter surfactant which are natural based allowing up to 78% of naturality (ISO 16128).
Thanks to their composition, their carbon footprint are lower than the synthetic alternatives

➢ **A COLD PROCESSABLE POLYMERS**

Liquid polymers which are pre-neutralized making them ready for use, reduction of production's cycle time and the energy consumption for your formulation

➢ **A MULTI-FACETED POLYMERS FOR LIGHT FORMULATIONS**

can be used as the sole emulsifier in various type of formulations, impart a light and nude skin feel

NATURSOL™ EMI 132, EMI 30 & EMI 76

Description of each polymer

NATURSOL™ EMI 76

INCI : Sodium Polyacrylate, Octyldodecyl Myristate, Caprylyl/Capryl Glucoside

NOI = 51%
Viscosity @ 20 rpm: 10000 – 25000 cps (1% as is)

NATURSOL™ EMI 30

INCI : Sodium Acrylate/Sodium Acryloyldimethyl Taurate Copolymer, Octyldodecyl Myristate, Caprylyl/Capryl Glucoside

NOI= 51%
Viscosity @ 20 rpm: 11500 – 30000 (2% as is)

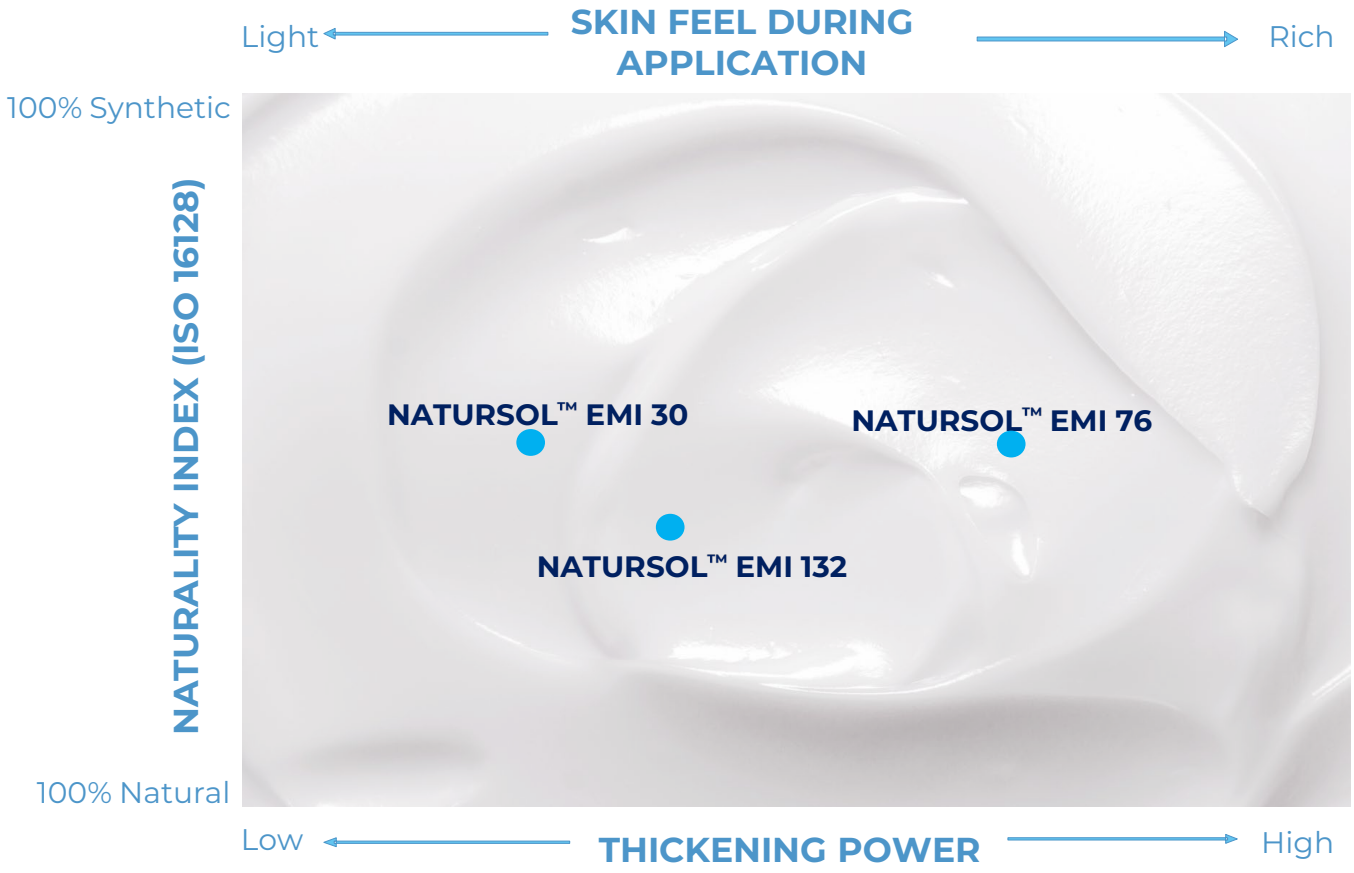
NATURSOL™ EMI 132

INCI : Sodium Acrylate/Sodium Acryloyldimethyl Taurate Copolymer, C15-19 Alkane, Lauryl Glucoside

NOI= 67%
Viscosity @ 20 rpm : 20000 – 35000 cps (3%as is)

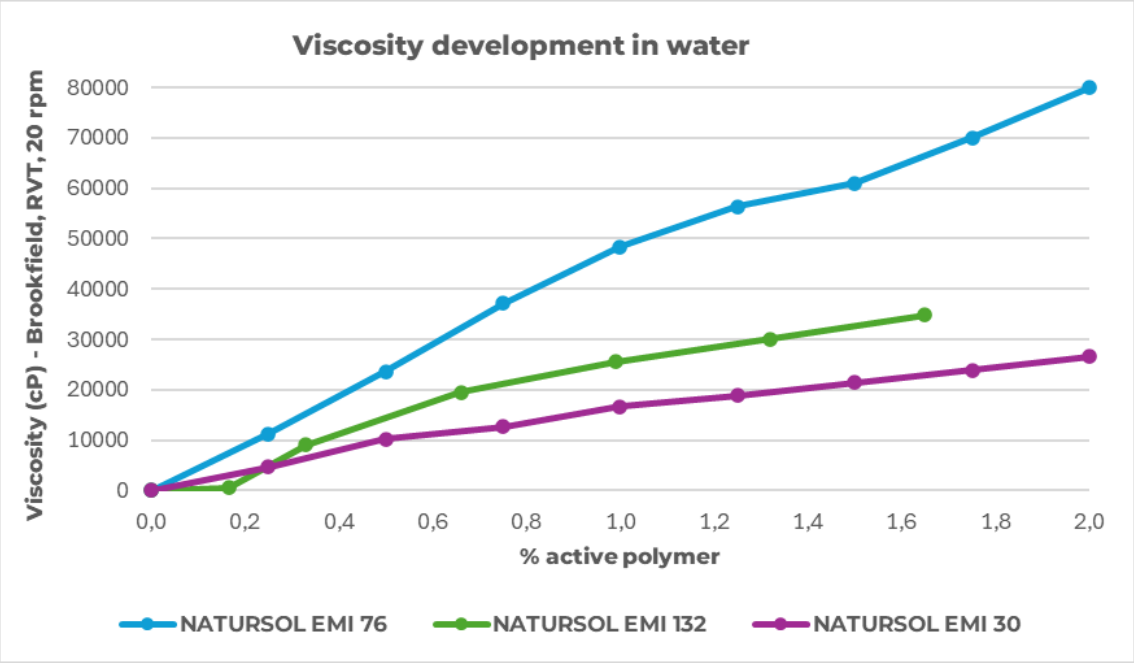
Property of SNF – Duplication prohibited

POSITIONING OF NATURSOL™ EMI 132, EMI 30 & EMI 76



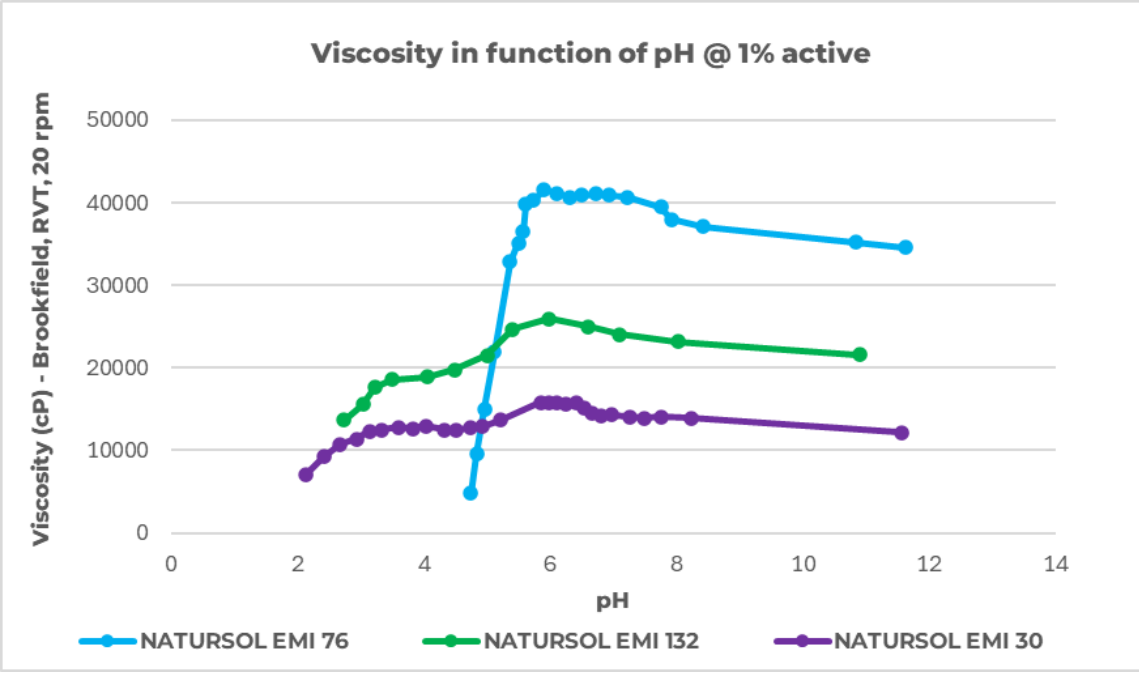
VISCOSITY BUILDING

3 different profiles to adapt the texture to your need



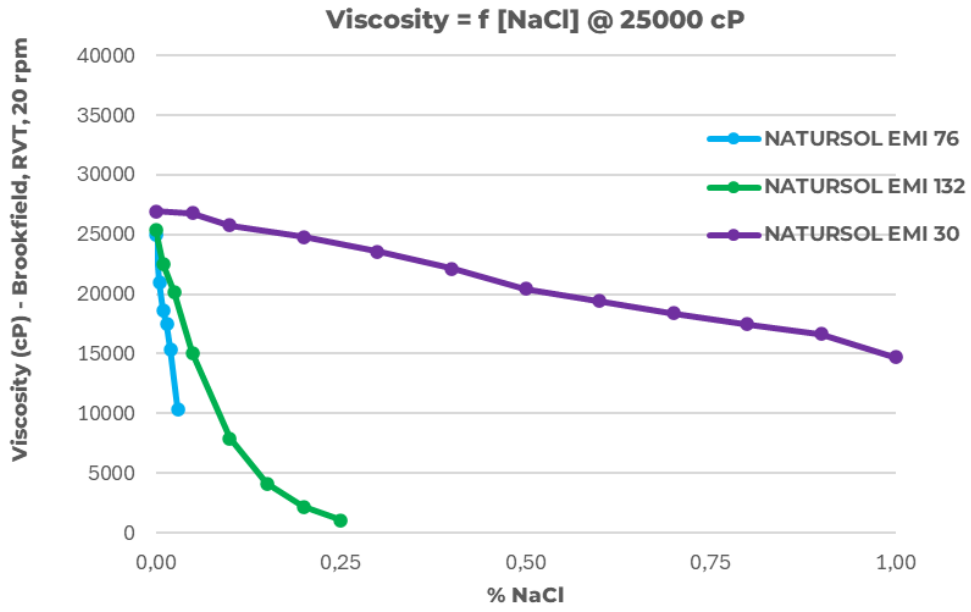
- NATURSOL™ EMI 76 develops the highest viscosity for a rich texture
- NATURSOL™ EMI 30 & NATURSOL™ EMI 132 are more suitable for light textures ; However, once the polymer is fully absorbed, the after-feel is the same for all three polymers: light with a nude skin sensation

NATURSOL™ EMI 132, EMI 30 & EMI 76: GOOD pH STABILITY



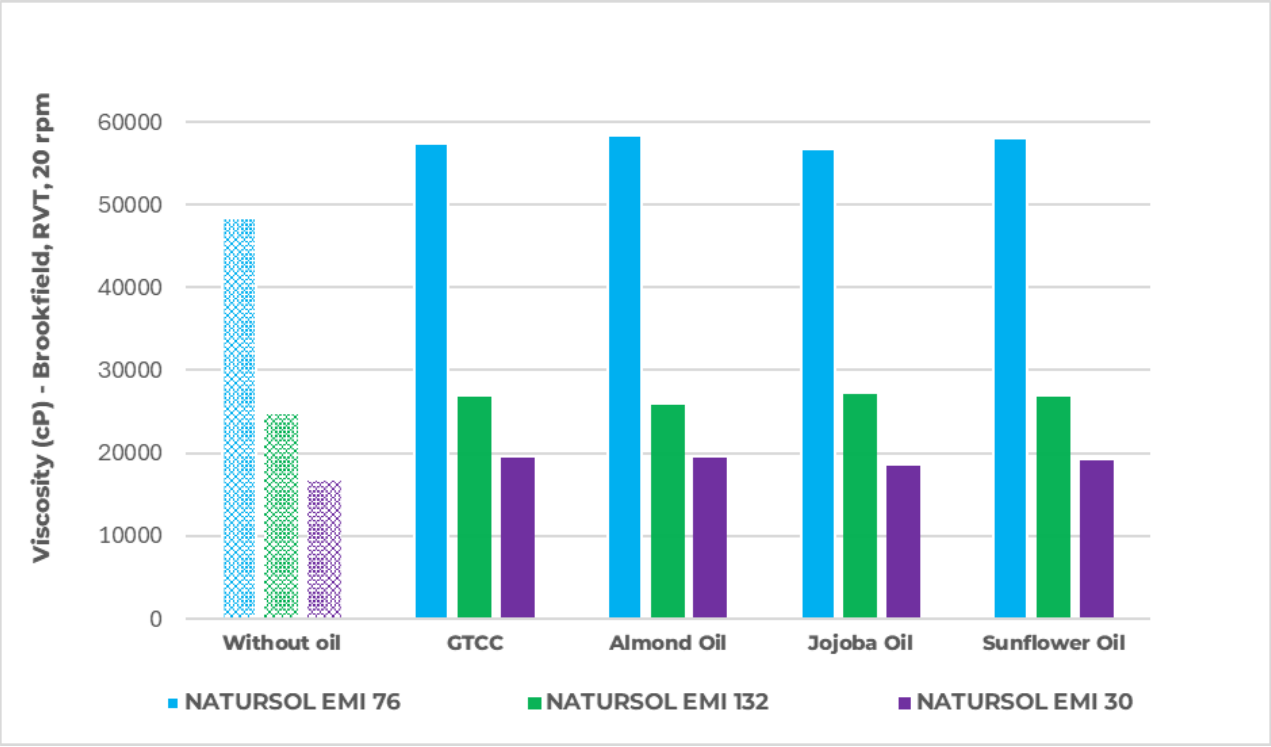
- NATURSOL™ EMI 30 can be used in a larger range of pH from 3 to 8 ;
- The recommanded pH of use for NATURSOL™ EMI 76 & NATURSOL™ EMI 132, is 5 to 8.
- Formulating above pH 8 is also possible with a slight reduction of the viscosity level

NATURSOL™ EMI 30 DEMONSTRATES THE BEST STABILITY IN PRESENCE OF SALT



Electrolytes are frequently incorporated into formulations through the use of active ingredients In this context, NATURSOL™ EMI 30 will be the best option in presence of electrolytes.

NATURSOL™ EMI 132, EMI 30 & EMI 76 EXHIBIT EMULSIFIER-FREE STABILIZATION



- All NATURSOL™ EMI at 1% active can stabilize up to 15% of oils without emulsifiers
- Using this family range of polymers helps to lower or eliminate emulsifiers from formulations
- This auto emulsifying property gives the possibility to create emulsifier-free formulations

Moisturizing power

NATURSOL™ EMI 132, EMI 30 & EMI 76 delivers a significant moisturizing effect (+ 30% in average) at least 4 hours after application*: **a skin benefit which can be claimed.**

**Tests carried out with Corneometer CM 825 by Dermscan : for at least 4 hours with 1% polymer active in water (10 people)*

If you want to go further, you can also discover our latest innovation:

NATURSOL™ EMI *Lite*

INCI: Sodium Polyacrylate Starch, Octyldodecyl Myristate, Caprylyl/Capryl Glucoside

Readily Biodegradable according to OECD 301 F

NOI = 78%

NATURSOL™ EMI *Lite*: The Next Evolution in Sustainable Rheology Modifiers

NATURSOL™ EMI *Lite*

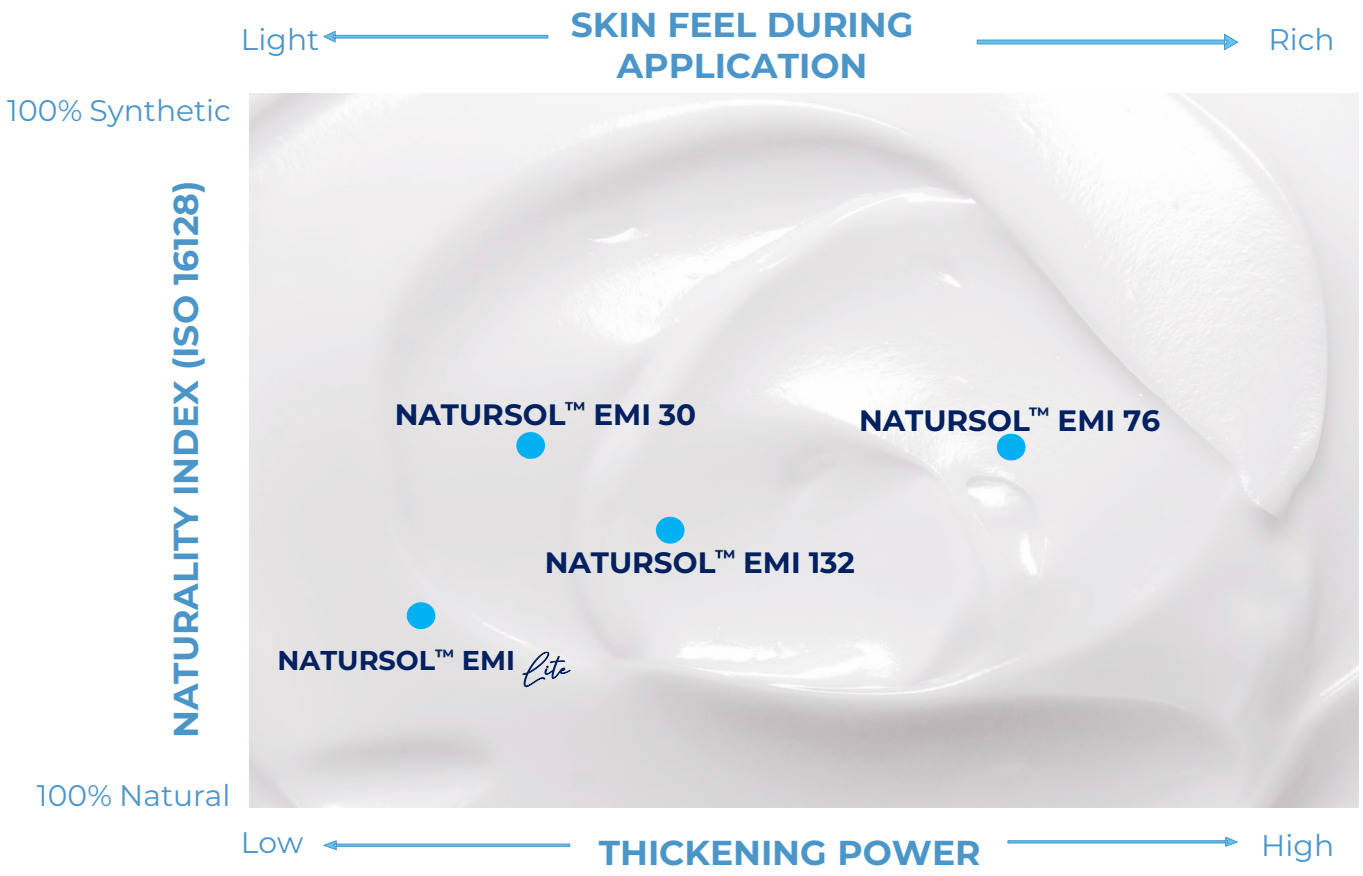
- A novel inverse emulsion marking a significant evolution in skin care formulations
- A combination of light texture and velvety after feel
- An innovative rheology modifier with a naturality index of 78%

Environmentally Conscious Beauty Solutions:

- Positioned as a frontrunner in eco-friendly skincare
- Offers a Readily Biodegradability
- Allows skincare formulators to create luxurious textures without compromising

eco-friendliness

POSITIONING OF NATURSOL™ EMI range



NATURSOL™ EMI *Lite* : product features

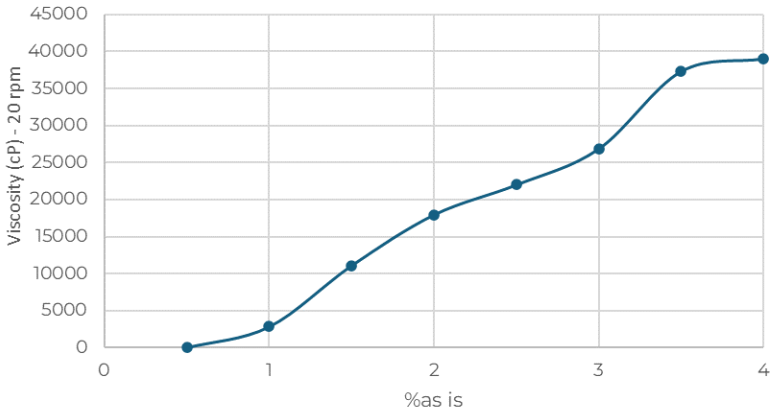
- **INCI: Sodium Polyacrylate Starch, Octyldodecyl Myristate, Caprylyl/Capryl Glucoside**
- Readily Biodegradable according to OECD 301F *
- Patent pending
- Pre-neutralized/ready to use
- Can be used as sole emulsifier in formulation
- Delivers light texture, allowing various formulations
- Cold process
- Optimum formulation pH from 5 to 10
- No preservative

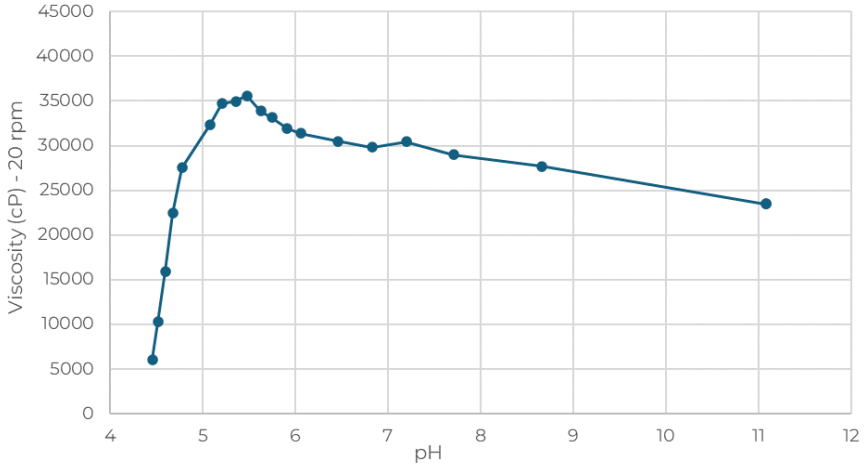




**Readily Biodegradable means that the polymer is degraded by at least 60% within 28 days under OECD 301F test conditions*

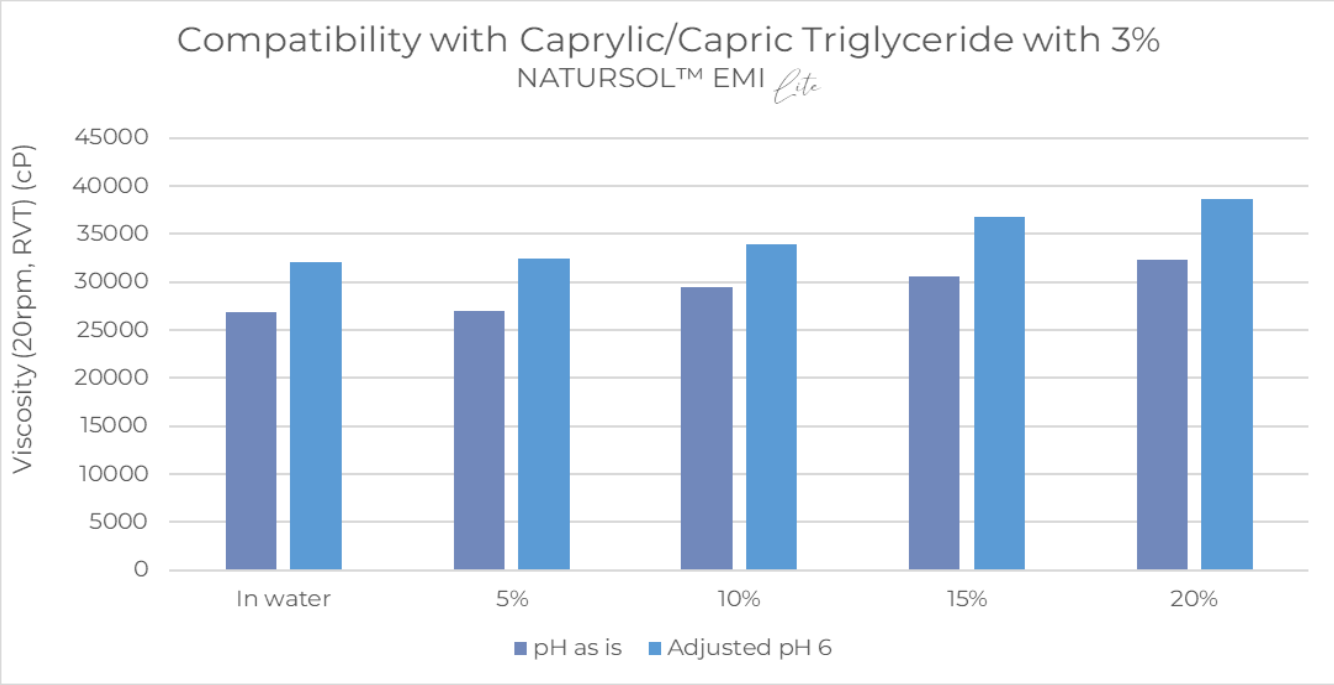
NATURSOL™ EMI *Lite* : product features





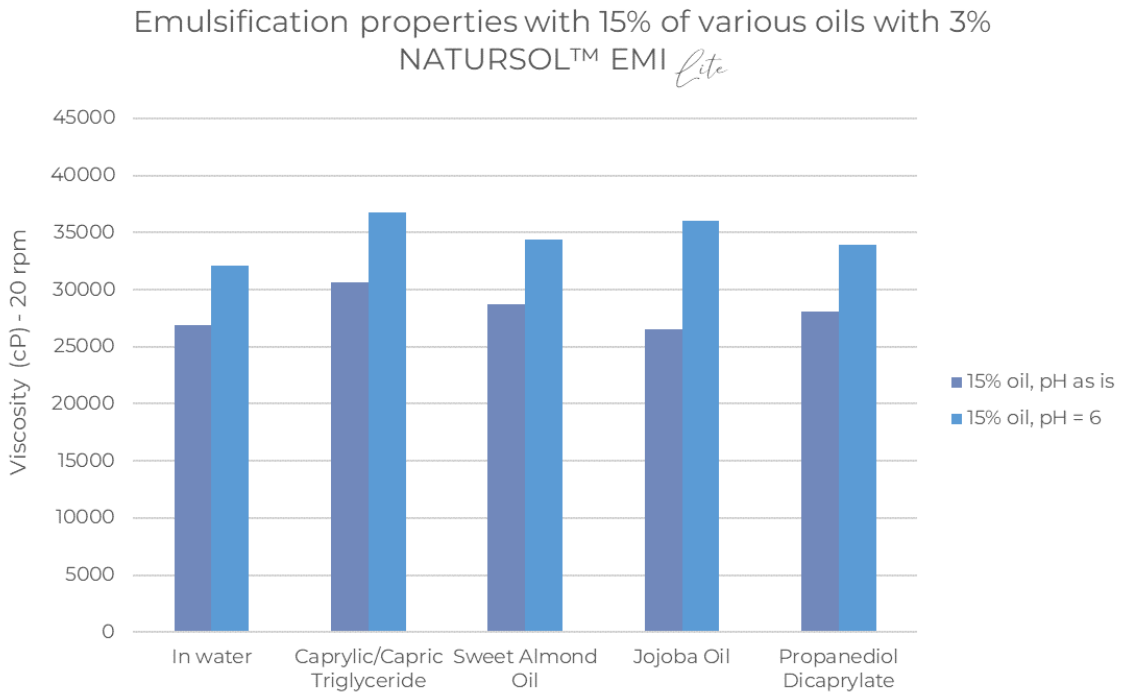
NATURSOL™ EMI *Lite* builds light viscosity without pH adjustment and demonstrates excellent stability over a wide pH range.
The pH and the concentration are 2 parameters having an influence on the final texture of the formulation.

NATURSOL™ EMI *Lite* : product features



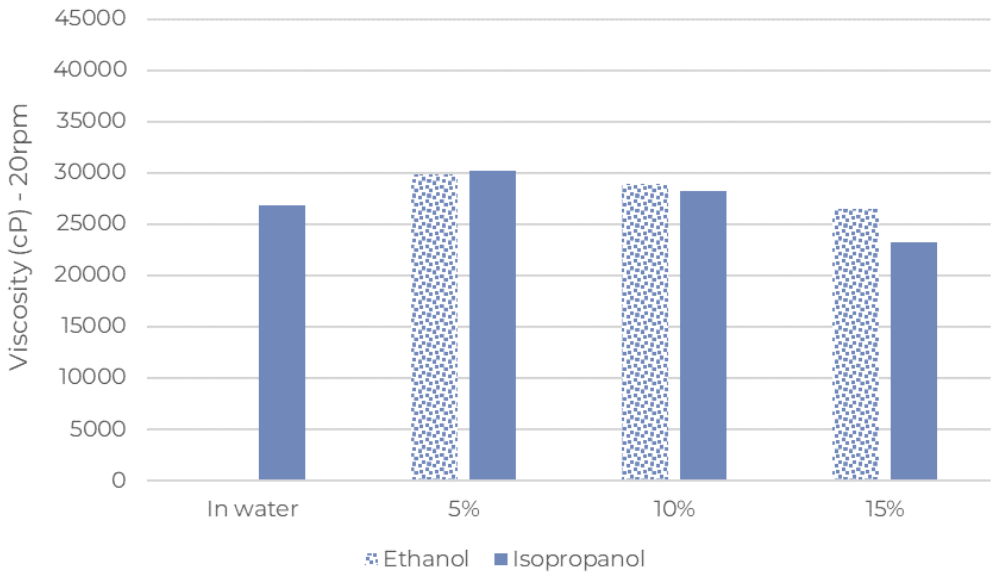
NATURSOL™ EMI *Lite* stabilizes up to 20% of Caprylic/Capric Triglyceride

NATURSOL™ EMI *Lite* : product features



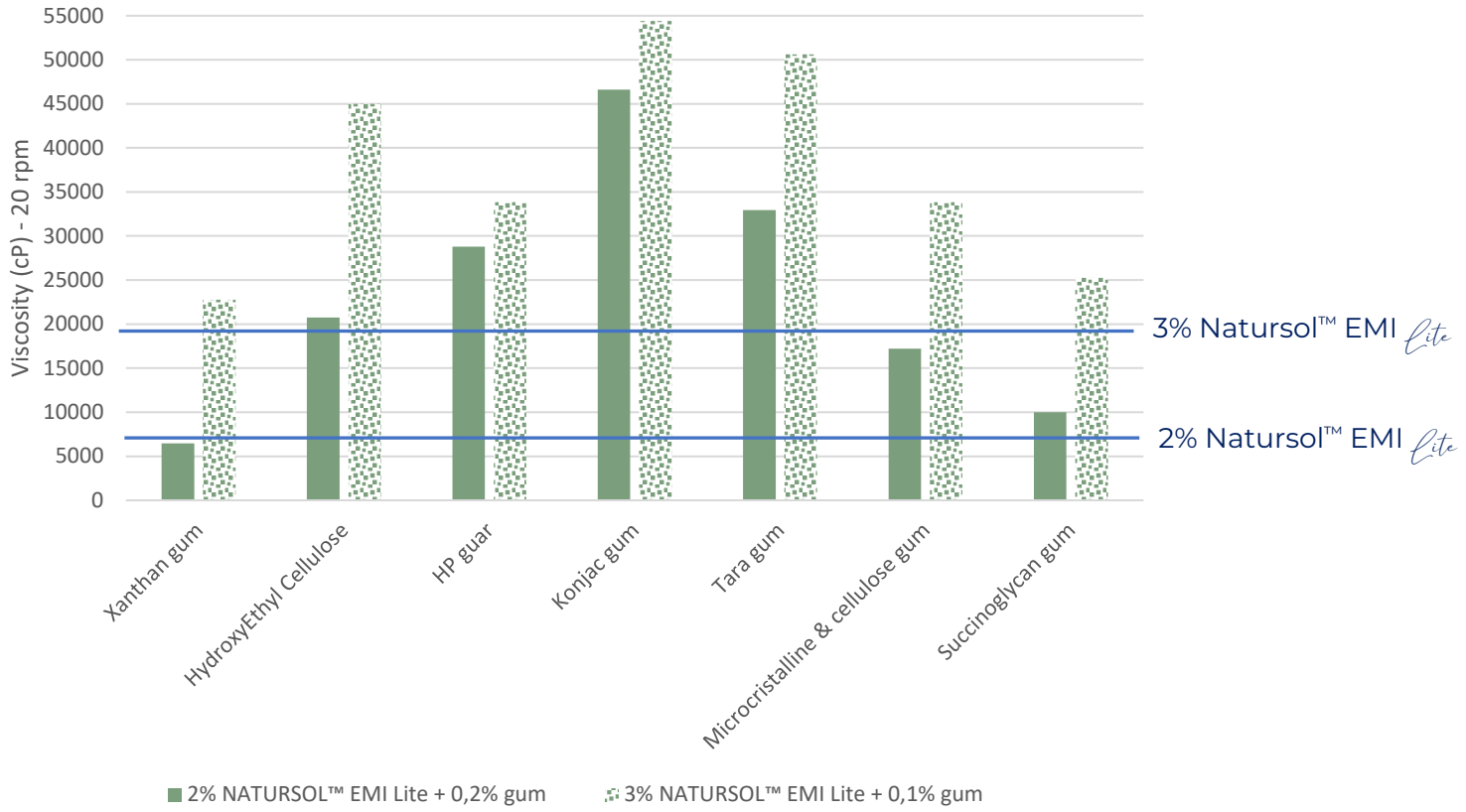
NATURSOL™ EMI *Lite* stabilizes different types of oils whithout any other type of surfactant, meaning that it can be used as the sole emulsifier.
As the texture remains light, an emulsifier-free serum or cream can be created.

NATURSOL™ EMI *Lite* : compatibility with Alcohol



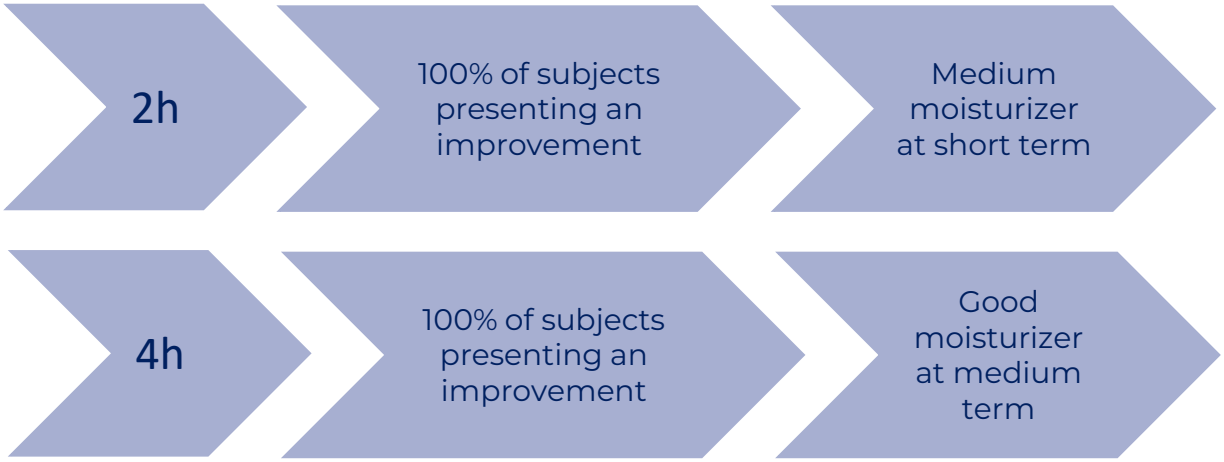
Are you looking for a refreshing effect?
Combination of **NATURSOL™ EMI** *Lite* at 3% (as is) with alcohol will meet your needs

NATURSOL™ EMI *Lite* : compatibility with natural gum



NATURSOL™ EMI *Lite* is compatible with the most commun natural gums. The combination of 0,1% konjac gum & 3% **NATURSOL™ EMI *Lite*** is the best combination to increase the play time and deliver more texture.

NATURSOL™ EMI *Lite* : moisturizing power



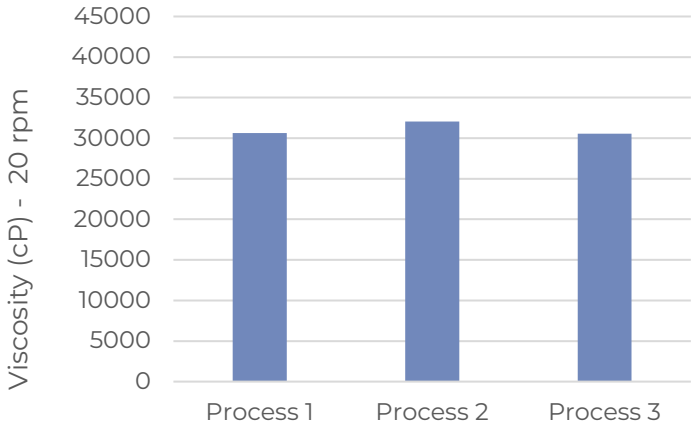
NATURSOL™ EMI *Lite* delivers a significant moisturizing effect of at least 4 hours after application*: a skin benefit which can be claimed.

**Tests carried out with Corneometer CM 825 by Dermscan : for at least 4 hours with 3% polymer as is in water.*

How to work with NATURSOL™ EMI *Lite* ?



- Process 1: **NATURSOL™ EMI** *Lite* can be added directly to the water phase => immediate viscosity build-up without neutralizing step
- Process 2: **NATURSOL™ EMI** *Lite* can be added to the oily phase => the viscosity build-up occurs after the aqueous phase added
- Process 3: **NATURSOL™ EMI** *Lite* can be added at the end of the process => the viscosity build-up will appears immediately : then the pH can be adjusted



Whatever the process chosen, the viscosity build-up will remain consistent

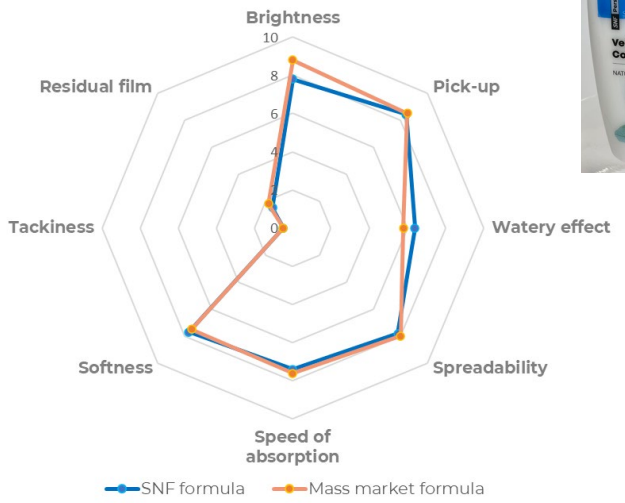
NATURSOL™ EMI *Lite* – Velouté Corps (SK 038)

TRADE NAME	INCI (EU)	FUNCTION	Wt. %
Deionized Water	Aqua	Vehicle	qsp 100
Glycerin	Glycerin	Humectant	2.00
NATURSOL™ EMI *Lite* [1]	**Sodium Polyacrylate Starch, Octyldodecyl Myristate, Caprylyl/Capryl Glucoside**	**Rheology modifier**	**3.00**
Dub MCT 5545 [2]	Caprylic / Capric Triglyceride	Emollient	3.75
Dub IPM [2]	Isopropyl Myristate	Emollient	3.75
Massocare SQV [3]	Squalane	Emollient	3.75
Cetiol OE [4]	Dicaprylyl Ether	Emollient	3.75
Tocobiol C [3]	Tocopherol (mixed), β-Sitosterol, Squalene	Antioxidant	0.10
Linatural Ultra-3 [5]	Propanediol/Pentylene glycol/Phenethyl alcohol	Preservative	1.80
Passioline [6]	Passiflora Edulis Seed Oil	Active ingredient	0.50
NaOH (10% solution)	Aqua, Sodium Hydroxide	pH adjuster	qs pH 5.5-6

Suppliers: [1] SNF; [2] Stéarinerie Dubois; [3] CQ Masso; [4] BASF; [5] Lincoln; [6] Laboratoires Expanscience

NATURSOL™ EMI *Lite* nourishes the skin and leaves a soft, non greasy afterfeel. Its light texture gives it all the necessary comfort and allows rapid absorption, which makes its application a real moment of pleasure.
No need silicone to match equivalent sensorial benefits with our velouté corps based on **NATURSOL™ EMI *Lite***





Properties*

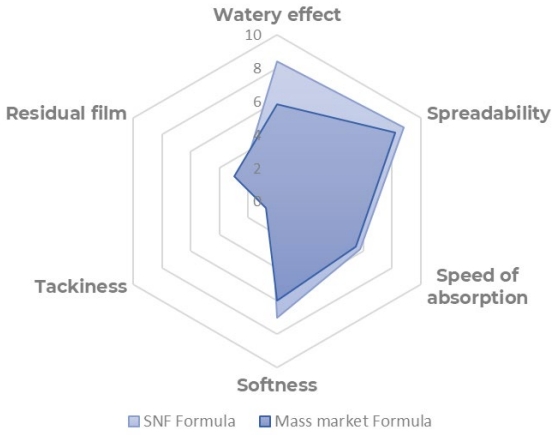
- **Appearance:** White lotion
- **pH:** 5.5 – 6.0
- **Viscosity**:** 32000 – 38000 cP
- **Stability***:** Passed LumiSizer (equivalent 3 months @ 40°C)

* Measured after 24 hours
** Brookfield RVT, 20 rpm, spindle 6
*** Parameters : 3h14/ 40°C/ intensity 2/ filter 870nm/ 2000g

NATURSOL™ EMI *Lite* – Elixir Fraicheur (SK 037)

TRADE NAME	INCI (EU)	FUNCTION	Wt. %
Deionized Water	Aqua	Solvent	qsp 100
Glycerin	Glycerin	Humectant	2.00
RHEOZAN SH [1]	Succinoglycan gum	Thickening agent	0.20
NATURSOL™ EMI *Lite* [2]	**Sodium Polyacrylate Starch, Octyldodecyl Myristate, Caprylyl/Capryl Glucoside**	**Rheology modifier**	**2.00**
ALOE VERA [3]	Aloe Barbadensis leaf juice	Soothing agent	5.00
BISABOLIFE [4]	Bisabolol	Hydration agent	0.10
Euxyl PE9010 [5]	Phenoxyethanol, Ethylhexylglycerin	Preservative	0.80
ALOE [6]	Fragrance	Fragrance	0.25

Suppliers: [1] Syensqo; [2] SNF; [3] CQ MASSO; [4] GIVAUDAN ; [5] Schülke; [6] EUROFRAGRANCE





Properties*

- **Appearance:** White cream
- **pH:** 4.8-5.0
- **Viscosity**:** 6000-8000 cP
- **Stability***:** Passed LumiSizer (equivalent 3 months @40°C)

* Measured after 24 hours
** Brookfield: RV04 @ 20RPM
*** Parameters : 3h14/ 40°C/ intensity 2/ filter 870nm/ 2000g

Revitalize and soothe your skin with this refreshing serum, crafted with natural ingredients to combat dehydration caused by sun or wind exposure. Perfect for all skin types !

NATURSOL™ EMI *Lite* is used as a rheology modifier and helps the hydration of the skin.

- Aloe vera is known for its anti-inflammatory and skin protection
- Bisabolol: soothing and anti-aging effects

NATURSOL™ EMI *Lite* – Stop aging cream (SK 004)

TRADE NAME	INCI (EU)	FUNCTION	Wt. %
Deionized Water	Aqua	Vehicle	qsp 100
Konjac Gum	Galactomannan	Thickening agent	0.025
Glycerin	Glycerin	Humectant	2.00
NovoRetin™ [1]	Pistacia Lentiscus (Mastic) Gum (and) Lecithin (and) Pentylene Glycol (and) Glyceryl Caprylate/Caprate (and) Caprylic/Capric Triglyceride (and) Water	Active ingredient	1.50
NATURSOL™ EMI *Lite* [2]	**Sodium Polyacrylate Starch, Octyldodecyl Myristate, Caprylyl/Capryl Glucoside**	**Rheology modifier**	**3.00**
Dub MCT 5545 [3]	Caprylic / Capric Triglyceride	Emollient	4.00
Dub Zenoat [3]	Propanediol Dicaprylate	Emollient	2.00
Dub MOD [3]	Octyldodecyl Myristate	Emollient	4.00
Microcare BEHG [4]	Benzyl Alcohol, Ethylhexylglycerin	Preservative	0.80
Passioline [5]	Passiflora Edulis Seed Oil	Active ingredient	0.50
NaOH (10% solution)	Aqua, Sodium Hydroxide	pH adjuster	qs pH 5.0-5.5

Suppliers: [1] Mibelle AG Biochemistry; [2] SNF; [3] Stéarinerie Dubois; [4] Thor; [5] Laboratoires Expanscience

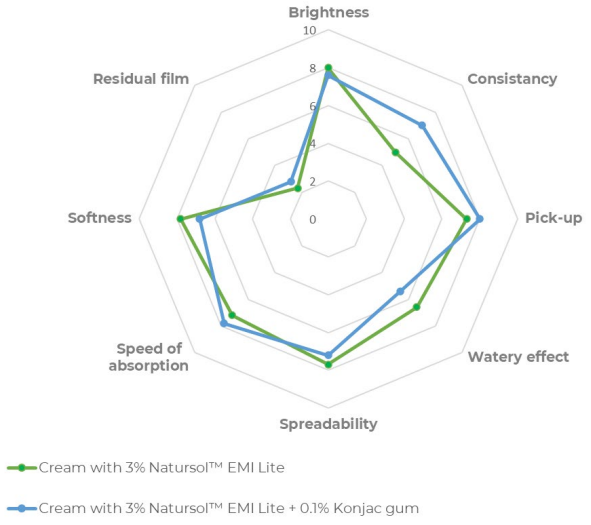
This anti-ageing cream developed with **NATURSOL™ EMI *Lite*** helps fight against all visible signs of ageing. The light texture of the cream leaves a soft, non greasy afterfeel. Synergistic viscosity effect between konjac gum and **NATURSOL™ EMI *Lite***.



Properties*

- **Appearance:** White cream
- **pH:** 5.0 – 5.5
- **Viscosity**:** 28000 – 35000 cP
- **Stability***:** Passed LumiSizer (equivalent 3 months @ 40°C)

* Measured after 24 hours
** Brookfield: RV04 @ 20RPM
*** Parameters : 3h14/ 40°C/ intensitv 2/ filter 870nm/ 2000a



NATURSOL™ EMI *Lite* – Men's Daily Hydrating Beard Serum (SK 039)

TRADE NAME	INCI (EU)	FUNCTION	Wt. %
Deionized Water	Di-Water	Diluent	qsp 100
NATURSOL™ EMI *Lite* [1]	**Sodium Polyacrylate Starch, Octyldodecyl Myristate, Caprylyl/Capryl Glucoside**	**Rheology modifier**	**3.00**
Zemea® Propanediol [2]	Propanediol	Humectant	2.00
Glycerin	Glycerin	Humectant	2.00
NEOBEE® M-5 COSMETIC [3]	Caprylic / Capric Triglyceride	Emollient	2.00
Cetiol® C 5C [4]	Coco-Caprylate/Caprate	Emollient	2.00
Tamanol Bio IL [5]	Calophyllum Inophyllum Seed Oil	Emollient	1.00
Organic Camelina Oil [5]	Camelina Sativa Seed Oil	Emollient	1.00
Bicomide® [6]	Aqua (and) Lecithin (and) Niacinamide (and) Lysolecithin	Active ingredient	1.00
A-Leen® 5 [7]	Pentylene Glycol	Antimicrobial protection	0.50
Green Tea Extract Blend A96122 [8]	Fragrance	Fragrance	1.00
Linatural™ Ultra-3 [9]	Phenethyl Alcohol (and) Pentylene Glycol (and) Propanediol	Preservative	2.00

Suppliers: [1] SNF; [2] Dupont; [3] Stepan; [4] BASF; [5] GreenTech; [6] Biocosome; [7] DKSH; [8] Carrubba; [9] Lincoln MFG-USA

Properties*

- **Appearance:** Yellowish lotion
- **pH:** 5.1 – 6.0
- **Viscosity**:** 14500 – 19000 cP
- **Stability***:** Passed LumiSizer (equivalent 3 months @ 40°C)

* Measured after 24 hours
** Brookfield: RV04 @ 20RPM
*** Parameters : 3h14/ 40°C/ intensity 2/ filter 870nm/ 2000g

Nourishing and enhancing serum formulated with **NATURSOL™ EMI *Lite*** melts on the skin. Carefully formulated to hydrate and condition the beard and provide non-greasy styling. The beard and skin exude a silky feel, while protecting the skin against external aggressions.

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NATURSOL™ EMI *Lite*

The perfect balance between effectiveness & sustainability

- **NATURSOL™ EMI *Lite* - HIGH PERFORMANCES**

offers excellent rheology profile for skin care applications allowing it to be used over a wide range of pH levels while also providing an unmatched velvety touch

- **NATURSOL™ EMI *Lite* - BEST IN CLASS REGARDING THE ENVIRONMENTAL PROFILE**

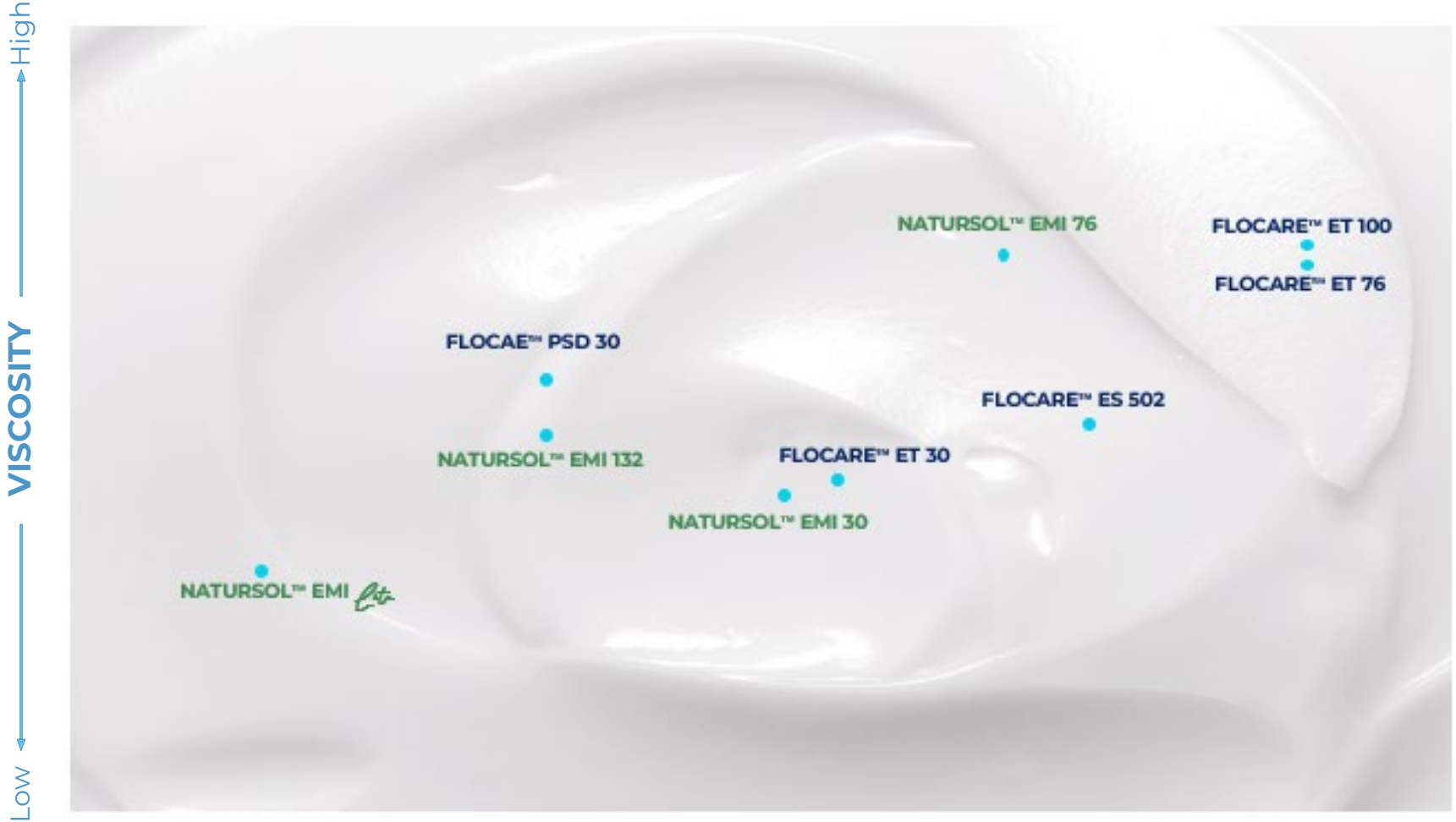
is Readily Biodegradable (according to OECD 301F), and considered as naturally-derived with a natural index at 78% (according to the ISO norm 16128) ; then it has a lower carbon footprint than synthetic alternatives

- **NATURSOL™ EMI *Lite* - A MULTI-FACETED POLYMER FOR A VARIOUS TYPE OF FORMULATIONS**

delivers different type of textures by itself or in combination with other polymers and can be used as the sole emulsifier

Property of SNF – Duplication prohibited

Sensory profile overview



All the polymers deliver non-sticky and soft afterfeel





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