

# **Personal Care**

**Performance  
Meets  
Beauty**

***SNF***

SNF, headquartered in Andrézieux, France, is a **leading global producer of water-soluble polymers** with manufacturing sites in Andrézieux (France); Riceboro, Georgia (USA); and Taixing (China). In 2023, SNF had a turnover of approximately € 4.5bn.

Over the last 40 years, SNF has developed expertise in **polymer chemistry** designed for specific markets. In Personal Care, SNF offers a wide range of polymers such as **rheology modifiers, thickeners, and film formers** to cover the needs of this market.

SNF uses the newest polymerization technologies for synthesizing and manufacturing anionic, cationic, amphoteric, and nonionic polymers. As an added advantage, SNF is back-integrated in the most strategic monomers to better serve our customers regarding **product costs, quality, and supply**.

This know-how in monomers, polymer design, and industrial process applications allows SNF to **react and innovate** to the changing trends and customer needs within the **cosmetic market**.

|  
Skin  
Care

|  
Bath &  
Shower

|  
Hair  
Care





# Global Leader in Water-Soluble Polymers

To consolidate its position as a leader, SNF constantly expands its range of products and technologies through continuous investments in R&D. We also reinvest significant financial resources into improving and expanding our manufacturing assets to enable us to produce as close as possible to end-markets and users.

**4.5 bn€**  
Sales Turnover

Global Overview



**8 150**  
Employees

**1711**  
Active Patents

Innovation



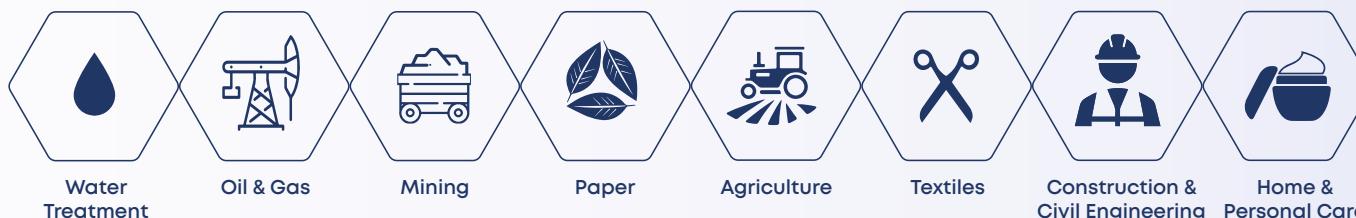
**2**  
ISCC+\*  
Certified Plants

\*ISCC+, International Sustainability and Carbon Certification process, guarantees full traceability of the materials along the value chain.



**21 Production Sites Worldwide**

## Our Activities:



# Carbon Neutral by 2050

With 21 production facilities and subsidiaries in more than 55 countries, SNF Group is the world leader in water chemistry. As a leader in our industry, **we are responsible for addressing the planet's environmental challenges by going even further and working faster to strengthen water chemistry's ethical dimension.**

## How to Achieve?



### COMMITMENT & COMPLIANCE

Platinum Ecovadis



### BIOBASED & RENEWABLE RAW MATERIALS

ISCC+ certified<sup>1</sup>



### ECO-FRIENDLY PROCESSES

Minimizing the environmental impact of our processes



### WATER & CO<sub>2</sub> REDUCTION

Our product range helps preserve natural resources



### ENVIRONMENTAL FATE

Understanding the fate and behavior of our polymers

**2x less**  
CO<sub>2</sub> Emissions<sup>2</sup>

**7x less**  
Water Consumption<sup>3</sup>

<sup>1</sup> ISCC+, International Sustainability and Carbon Certification process, guarantees full traceability of the materials along the value chain.

<sup>2</sup> Compares to our peers, based on 2022 CO<sub>2</sub> emissions (Scope 1+2) in tons per M€ sales.

<sup>3</sup> Compares to our peers, based on 2022 Water Consumption in m<sup>3</sup> per M€ sales.

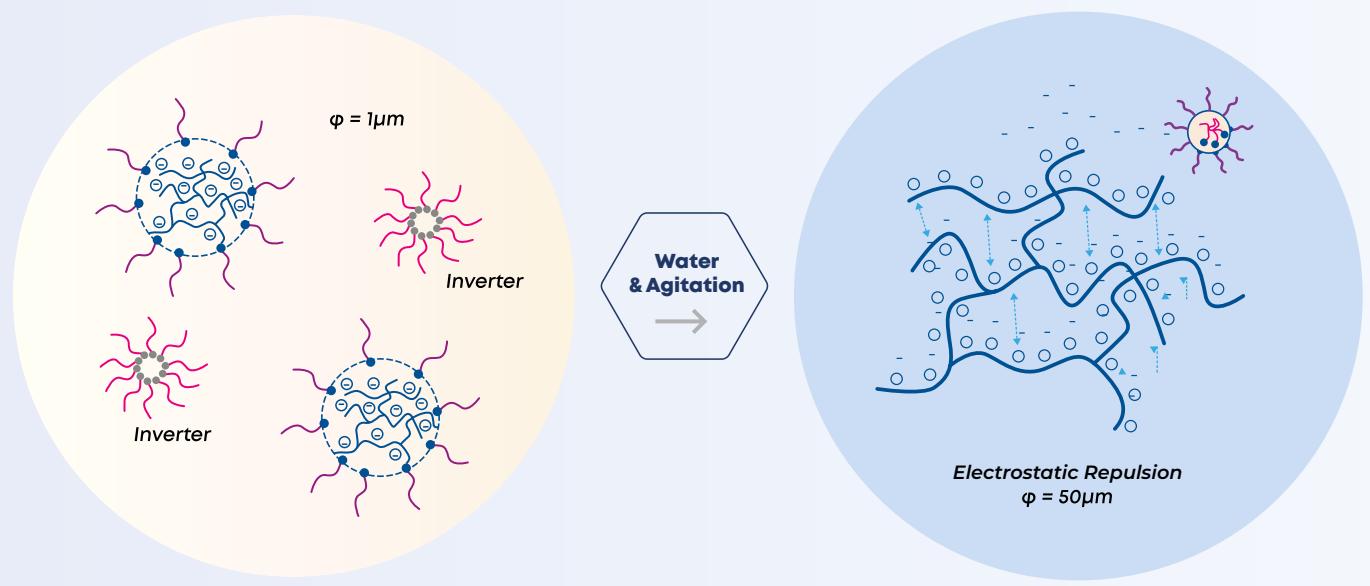
# Rheology Modifiers

SNF Personal Care offers a wide range of rheology modifiers, thickeners, and film formers that provide thickening, conditioning, suspending effects, as well as various sensorial secondary benefits such as rich feel, glossy texture, and freshness for Skin Care, Hair Care, and Bath & Shower products.

## Liquid Dispersion Polymers

LDPs (Liquid Dispersion Polymers) are water-in-oil emulsions where the water droplets act as microreactors in which the polymer is synthesized.

An oil-in-water emulsifier (surfactant) allows the Liquid Dispersion to invert once in water phase. Water is absorbed by the polymer which swells and builds viscosity.



## Sustainable Process: Carbon Footprint Improvement

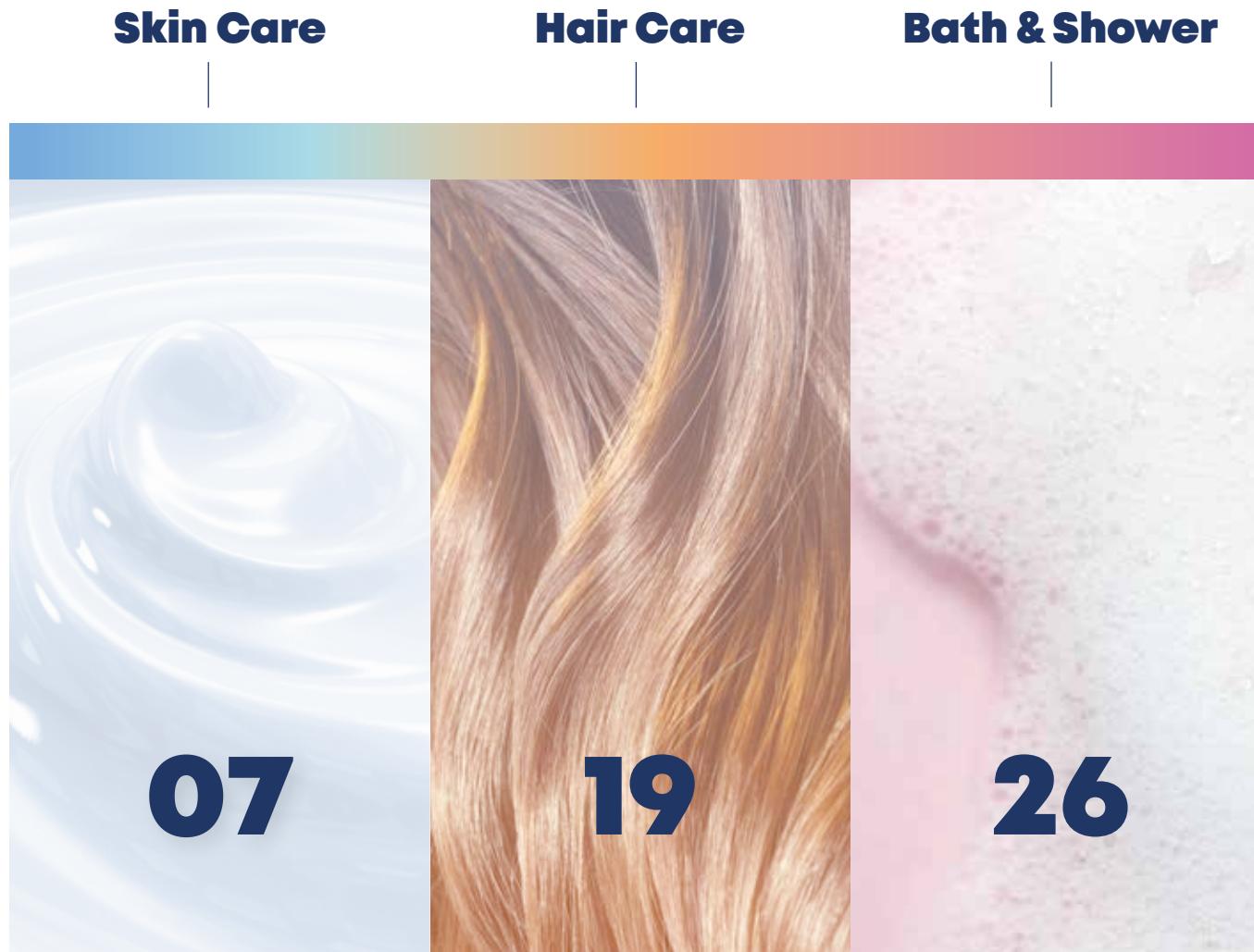
Using **SNF cold-processable inverse emulsions** help **save time and energy** in manufacturing skincare formulas.

70%  
MANUFACTURING  
TIME SAVED

96%  
EQUIVALENT CO<sub>2</sub>  
EMISSIONS SAVED

Compared to hot-processable conventional emulsifying system

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# Skin care

# Achieving the Best Textures with SNF Inverse Emulsion Polymers



**FLOCARE™ ET, FLOCARE™ ES, FLOCARE™ PSD, and NATURSOL™ EMI** are Liquid Dispersion Polymers (LDPs) produced by inverse emulsion polymerization. With this process, it is possible to achieve very high molecular weight, cross-linked polymers with optimized rheological properties. SNF offers a wide range of products from low to highly concentrated thickeners.

**NATURSOL™ EMI Lite** is a readily biodegradable polymer with 78% of natural origin (ISO 16128). It perfectly balances sustainability and performance.

**NATURSOL™ EMI 132** is 67% of natural origin and 100% Vegan.

SNF also offers rheology modifiers in powder form, such as **FLOCARE™ PSD 30**.

**FLOCARE™ SK** polymers are obtained by precipitation. These polymers are ready to use and provide transparent and viscous cold-process formulations.

**FLOCARE™ SK 425** delivers transparency and high electrolyte resistance.

**FLOCARE™ SK 403** provides both transparency and high-viscosity formulas at low concentrations.

## Benefits :

- Multifunctional rheology modifiers: **thickening, stabilizing, and texturizing**
- Low to high concentrated thickeners can be added at any stage
- **Self-emulsifier:** additional surfactants not needed for stable formulations up to 30% oil
- Suspending properties
- **Ready & easy-to-use:** pre-neutralized liquid or powder
- Can be used in **cold** or **hot** process
- Compatible over a wide pH range
- Allows for formulations from sprays to creams
- Delivers **sensorial benefits** (freshness, hydration, softness)

# Liquid Dispersion Polymers - Anionic

## The Greener

Product	INCI Name	% Active	Optimal pH Range	Applications and Uses
 <b>NATURSOL™ EMI Lite</b> <small>PATENTED</small>	Sodium Polyacrylate Starch, Octyldodecyl Myristate, Caprylyl/Capryl Glucoside	 57	5-10	Readily biodegradable polymer, 78% naturally derived. Light texture, fresh touch, and soft after-feel.
 <b>NATURSOL™ EMI 132</b>	Sodium Acrylate/Sodium Acryloyldimethyl Taurate Copolymer, C15-19 Alkane, Lauryl Glucoside	33	5-12	67% naturally derived. Formulate with natural index close to 100%. Light texture, fresh touch, and soft after-feel.
 <b>NATURSOL™ EMI 30</b>	Sodium Acrylate/Sodium Acryloyldimethyl Taurate Copolymer, Octyldodecyl Myristate, Caprylyl/Capryl Glucoside	 49	3-11	51% naturally derived. Light texture, soft, and non-tacky after-feel. Long lasting moisturization.
 <b>NATURSOL™ EMI 76</b>	Sodium Polyacrylate, Octyldodecyl Myristate, Caprylyl/Capryl Glucoside	 49	5-11	51% naturally derived. Good consistency, soft, and non-tacky after-feel. Long lasting moisturization.
 <b>FLOCARE™ ET 100</b>	Sodium Polyacrylate, Ethylhexyl Stearate, Trideceth-6	60	6-11	Glossy, fast absorption, soft and non-tacky after-feel, good consistency, and pick-up. Long lasting moisturization.
 <b>FLOCARE™ ET 76</b>	Sodium Polyacrylate, Hydrogenated Polydecene, Trideceth-6	57	6-11	Glossy, fast absorption, extra soft and non-tacky after-feel, good consistency and pick-up. Long lasting moisturization.
 <b>FLOCARE™ ET 36 V</b>	Sodium Acrylate/Sodium Acryloyldimethyl Taurate Copolymer, Hydrogenated Polydecene, Trideceth-6, Sorbitan Laurate	52	3-12	Soft skin after-feel. Used in anti-aging or anti-acne creams.

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



Considered naturally derived (ISO 16128-2:2017)



Contains natural ingredients

# Liquid Dispersion Polymers - Anionic

## The Classics

Product	INCI Name	% Active	Optimal pH Range	Applications and Uses
<b>FLOCARE™ ES 502</b>	Sodium Polyacrylate, Mineral Oil, Trideceth-6	50	6-11	Rich texture with a powdery feel. High electrolyte stability. Can be used in sunscreen formulations.
<b>FLOCARE™ ET 30</b>	Sodium Acrylate/Sodium Acryloyldimethyl Taurate Copolymer, Mineral Oil, Trideceth-6	58	3-11	Glossy, light, and soft skin feel with velvety effect. Good electrolyte stability.
<b>FLOCARE™ ET 305</b>	Polyacrylamide, C13-14 Isoparaffin, Laureth-7	40	3-10	Good electrolyte stability, soft ,and smooth skin feel with velvety effect.

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

# Powder Polymers - Anionic

Product	INCI Name	% Active	Optimal pH Range	Applications and Uses
FLOCARE™ PSD 30	Sodium Acrylate/Sodium Acryloyldimethyl Taurate Copolymer	> 85	3-11	Light and melting textures. Non-tacky and non-greasy, suitable for serum and hydro-alcohol gels.
FLOCARE™ SK 425	Ammonium Polyacryloyldimethyl Taurate	> 92	4-8	Gelling agent for crystal clear formulations. Delivers extreme resistance to electrolytes, provides foam stabilization, and ultra-soft after-feel. Recommended for medium viscosity. Ability to develop stable formulas in the absence of emulsifier.
FLOCARE™ SK 403	Ammonium Acryloyldimethyl Taurate/VP Copolymer	> 92	4-8	Gelling agent for crystal clear formulations. Delivers high viscosity and light, non-sticky after-feel. Texturizer and viscosity booster for oil-in-water emulsion. Ability to develop stable formulas in the absence of emulsifier.

Recommended dosage for powder polymers: 0.5 to 3% as supplied.

# Sensory Profile Overview



## Repairing Eye Contour Serum

SNF - SK 002

Commercial Name	INCI	Wt.%
Deionized Water	Water (Aqua)	QSP 100
Massocare Propanediol Nat MB <sup>1</sup>	Propanediol	2.00
Glycerin	Glycerin	2.00
<b>NATURSOL™ EMI Lts<sup>2</sup></b>	Sodium Polyacrylate Starch, Octyldodecyl Myristate, Caprylyl/ Capryl Glucoside	2.00
Dub MCT 5545 <sup>3</sup>	Caprylic/Capric Triglyceride	5.00
Tocobiol C <sup>1</sup>	Tocopherol (mixed) Beta Sitosterol, Squalene	0.05
Microcare BEHG <sup>4</sup>	Benzyl Alcohol, Ethylhexylglycerin	0.80
Deionized Water	Water (Aqua)	5.00
CM-Glucan Granulate <sup>5</sup>	Sodium Carboxymethyl Beta-Glucan	0.05
Number 6 <sup>6</sup>	Propanediol, Water, Persea Gratissima (Avocado) Fruit Extract	1.00

Suppliers: <sup>1</sup>CQ Masso; <sup>2</sup> SNF; <sup>3</sup> Stéarinerie Dubois; <sup>4</sup> Thor; <sup>5</sup> Mibelle AG Biochemistry; <sup>6</sup> Laboratoires Expanscience

## Moisturizing Cream

SNF - SK 006

Commercial Name	INCI	Wt.%
Deionized Water	Water (Aqua)	QSP 100
Glycerin	Glycerin	2.00
Preservative		qs
Natura Tec Ultrafeel™ AL <sup>1</sup>	C12-15 Alkyl Lactate	3.00
Natura Tec Abysoft™ <sup>1</sup>	Crambe Abyssinica Seed Oil Phytosterol Esters	2.00
Massocare MCT MB <sup>2</sup>	Caprylic/Capric Triglyceride	2.00
Sweet Almond Oil - Refined <sup>1</sup>	Prunus Amygdalus Dulcis Oil	2.00
Tocobiol® C <sup>2</sup>	Tocopherol (mixed), Beta-Sitosterol, Squalene	0.05
<b>FLOCARE™ ET 76<sup>3</sup></b>	Sodium Polyacrylate, Hydrogenated Polydecene, Trideceth-6	2.00

Suppliers: <sup>1</sup>Natura-Tec; <sup>2</sup>CQ Masso; <sup>3</sup>SNF

## Arctic Blue Serum

SNF - SK 008

Commercial Name	INCI	Wt.%
Deionized Water	Water (Aqua)	QSP 100
Geogard® ECT <sup>1</sup>	Benzyl Alcohol, Salicylic Acid, Glycerin, Sorbic Acid	0.80
Sodium Hydroxide (10% aqueous solution)	Water, Sodium Hydroxide	qs pH 6.5
Glycerin	Glycerin	3.00
<b>NATURSOL™ EMI 132<sup>2</sup></b>	<b>Sodium Acrylate/Sodium Acryloyldimethyl Taurate Copolymer, C15-19 Alkane, Lauryl Glucoside</b>	<b>2.80</b>
Cetiol® C5 <sup>3</sup>	Coco-Caprylate	5.00
Tocobiol® C <sup>4</sup>	Tocopherol (mixed), Beta-Sitosterol, Squalene	0.05
Revivyl™ <sup>5</sup>	Propanediol, Orobanche Rapum Extract	0.30
Hydrintense™ <sup>5</sup>	Sea Water, Propanediol, Porphyridium Cruentum Extract	0.50
Food color Brilliant Blue FCF 85% (0.1% solution)	Water, CI 42090	0.05
Fresh Hydration <sup>5</sup>	Parfum	0.11

Suppliers: <sup>1</sup>Lonza; <sup>2</sup>SNF; <sup>3</sup>BASF; <sup>4</sup>CQ Masso; <sup>5</sup>Givaudan

## Precious Gelée

SNF - SK 012

Commercial Name	INCI	Wt.%
Badoit	Water (Aqua)	QSP 100
Cristalhyal® <sup>1</sup>	Sodium hyaluronate	0.05
<b>FLOCARE™ SK 425<sup>2</sup></b>	<b>Ammonium Polyacryloyldimethyl Taurate</b>	<b>2.50</b>
Butylene Glycol	Butylene Glycol	1.00
Ajidew® NL-50 <sup>3</sup>	Sodium PCA	2.00
Lincoserve™ WpH-LO <sup>4</sup>	Pentylene Glycol, Propanediol, Caprylyl Glycol, Ethylhexylglycerin	0.80
Food color Brilliant blue FCF 85% (0.1% solution)	Water, C.I. 42090	0.07
Solubilisant LRI <sup>5</sup>	PPG-26 Buteth-26, PEG-40 Hydrogenated Castor Oil, Water	0.40
Aqua Azur <sup>6</sup>	Parfum	0.07
Hydrintense™ <sup>1</sup>	Sea Water, Propanediol, Porphyridium Cruentum Extract	1.20
Citric acid (50% solution)	Water, Citric Acid	qs pH 5.5

Suppliers: <sup>1</sup>Givaudan; <sup>2</sup>SNF; <sup>3</sup>Ajinomoto; <sup>4</sup>Lincoln Manufacturing, <sup>5</sup>Sensient Beauty; <sup>6</sup>Firmenich;



# Cold-Process Mineral SPF 50 +

## SNF - SK 020



Commercial Name	INCI	Wt.%
Deionized Water	Water (Aqua)	QSP 100
Edeta BD <sup>1</sup>	Disodium EDTA	0.05
Glycerin	Glycerin	2.00
Keltrol® CG-SFT <sup>2</sup>	Xanthan Gum	0.40
Eumulgin® SG <sup>1</sup>	Sodium Stearyl Glutamate	1.00
Zemea® Propanediol <sup>3</sup>	Propanediol	5.00
Cetiol® CC <sup>1</sup>	Dicaprylyl Carbonate	5.00
Massocare MCT MB <sup>4</sup>	Caprylic/Capric Triglyceride	2.00
Phenoxyethanol	Phenoxyethanol	1.00
UV cut TiO2 60 VL <sup>5</sup>	Titanium Dioxide, Coconut Alkanes, Polyhydroxystearic Acid, Stearic Acid, Alumina, Coco-Caprylate/Caprate	15.00
UV cut ZnO 72 NU <sup>5</sup>	Zinc Oxide, Coconut Alkanes, Polyhydroxystearic Acid, Coco-Caprylate/Caprate, Dimethicone	25.00
Liposorb™ L-20 <sup>6</sup>	Polysorbate 20	1.00
Liposorb™ O <sup>6</sup>	Sorbitan Oleate	0.50
Dispersun DSP-OL100 <sup>7</sup>	Polyhydroxystearic Acid	3.00
Gransurf 90 <sup>5</sup>	Cetyl PEG/PPG-10/1 Dimethicone	1.00
<b>NATURSOL™ EMI 132<sup>8</sup></b>	<b>Sodium Acrylate/Sodium Acryloyldimethyl Taurate Copolymer, C15-19 Alkane, Lauryl Glucoside</b>	<b>4.00</b>

Suppliers: <sup>1</sup>BASF; <sup>2</sup>CP Kelco; <sup>3</sup>Dupont Tate & Lyle BioProducts;  
<sup>4</sup>Coast Southwest ; <sup>5</sup>Grant Industries; <sup>6</sup>Vantage; <sup>7</sup>Innospec; <sup>8</sup>SNF

# Daily Cold-Process Tinted SPF

## SNF - SK 029 B

Commercial Name	INCI	Wt.%
Deionized Water	Water (Aqua)	QSP 100
Keltrol CG SFT <sup>1</sup>	Xanthan Gum	0.50
EDETA BD	Disodium EDTA	0.05
Glycerin	Glycerin	2.00
Massocare MCT MB <sup>2</sup>	Caprylic/Capric Triglyceride	2.00
Zemea® Propanediol <sup>3</sup>	Propanediol	3.00
Parleam® 4 <sup>4</sup>	Hydrogenated Polyisobutene	5.00
Linatural™ Ultra-1 <sup>5</sup>	1,3 Propanediol, Benzyl Alcohol, Pentylene Glycol	1.80
Ganex™ V-216 <sup>6</sup>	VP/Hexadecene Copolymer	2.00
UV Cut TiO2 60 VL <sup>7</sup>	Titanium Dioxide, Coconut Alkanes, Polyhydroxystearic Acid, Alumina, Coco-Caprylate/Caprate	20.00
Cremophor® RH40 <sup>8</sup>	PEG-40 Hydrogenated Castor Oil	0.25
<b>NATURSOL™ EMI 132<sup>9</sup></b>	<b>Sodium Acrylate/Sodium Acryloyldimethyl Taurate copolymer, C15-19 Alkane, Lauryl Glucoside</b>	<b>4.00</b>
Unipure Black LC 989 HLC <sup>10</sup>	CI 77499, Hydrogenated Lecithin	0.08
Unipure Yellow LC 182 HLC <sup>10</sup>	CI 77492, Hydrogenated Lecithin	3.84
Unipure Red LC 381 HLC <sup>10</sup>	CI 77491, Hydrogenated Lecithin	0.24
Unipure White LC 981 HLC <sup>10</sup>	CI 77891, Hydrogenated Lecithin	3.84
Covabead Velvet 10 <sup>10</sup>	Polymethyl Methacrylate	1.00

Suppliers: <sup>1</sup>CP Kelco; <sup>2</sup>CQ Masso; <sup>3</sup>Dupont Tate&Lyle BioProducts; <sup>4</sup>Rossow;  
<sup>5</sup>Lincoln Manufacturing; <sup>6</sup>Ashland; <sup>7</sup>Grant Industries Inc; <sup>8</sup>BASF; <sup>9</sup>SNF;  
<sup>10</sup>Sensient Beauty

## Mattifying Creamy Gel

SNF - SK 030\*

Commercial Name	INCI	Wt.%
Massocare ININ <sup>1</sup>	Isononyl Isononanoate	4.00
Massocare MCT MB <sup>1</sup>	Caprylic/Capric Triglyceride	4.00
Natura-Tec Plantsil <sup>2</sup>	Hydrogenated Ethylhexyl Olivate, Hydrogenated Olive Oil Unsaponifiables	4.00
Demineralized Water	Water (Aqua)	76.65
Glycerin	Glycerin	4.00
EDTA Na2	Disodium EDTA	0.05
<b>FLOCARE™ PSD 30<sup>3</sup></b>	<b>Sodium Acrylate/Sodium Acryloyldimethyl Taurate Copolymer</b>	<b>1.50</b>
Cameleon PTW <sup>4</sup>	Titanium Dioxide, CI73360, Aluminum Hydroxide, Boron Nitride, Acrylate/ Ammonium Methacrylate Copolymer, Cellulose Acetate, Propylene Glycol Stearate	4.00
Cameleon Gold <sup>4</sup>	Mica, Iron Oxide (CI 77491), Titanium Dioxide, Acrylate/Ammonium Methacrylate Copolymer, Cellulose Acetate, Propylene Glycol Stearate	1.00
Cosphaderm Dicapo Natural <sup>5</sup>	Caprylyl Glycol, Propanediol, Glyceryl Caprylate	0.70
AR788490 - Blue Matcha & Sea Salt <sup>6</sup>	Parfum	0.10

\*Developed by CQ Masso

Suppliers: <sup>1</sup>CQ Masso; <sup>2</sup>Natura-Tec; <sup>3</sup>SNF; <sup>4</sup>Tagra; <sup>5</sup>Cosphatec; <sup>6</sup>CPL Aromas

## Moisturizing Softy Cream

SNF - SK 032

Commercial Name	INCI	Wt.%
Deionized Water	Water (Aqua)	84.85
Glycerin	Glycerin	200
<b>FLOCARE™ ET 30<sup>1</sup></b>	<b>Sodium acrylate/Sodium Acryloyldimethyl Taurate Copolymer, Mineral Oil, Trideceth-6</b>	<b>2.00</b>
<b>FLOCARE™ SK 403<sup>1</sup></b>	<b>Ammonium Acryloyldimethyl Taurate/VP Copolymer</b>	<b>0.30</b>
DUB L1215 <sup>2</sup>	C12 - C15 Alkyl Lactate	3.00
Natura-Tec Abbysoft <sup>3</sup>	Crambe Abyssinica Seed Oil Phytosterol Esters	2.00
Massocare MCT MB <sup>3</sup>	Caprylic/Capric Triglycéride	2.00
Sweet Almond Oil – refined <sup>3</sup>	Prunus Amygdalus Dulcis Oil	2.00
Tocobiol C <sup>3</sup>	Tocopherol (mixed) (and) Beta-Sitostanol (and) Squalene	0.05
Linatural Ultra-3 <sup>4</sup>	Phenethyl Alcohol, Pentyleneglycol, Propanediol	1.80

Suppliers: <sup>1</sup>SNF ; <sup>2</sup>Stéarinerie Dubois ; <sup>3</sup>CQ Masso; <sup>4</sup>Lincoln Manufacturing



## Velouté Corps

### SNF - SK 038

Commercial Name	INCI	Wt.%
Deionized Water	Water (Aqua)	qsp 100
Glycerin	Glycerin	2.00
<b>NATURSOL™ EMI <i>lite</i><sup>1</sup></b>	<b>Sodium Polyacrylate Starch, Octyldodecyl Myristate, Caprylyl/ Capryl Glucoside</b>	<b>3.00</b>
Dub MCT 5545 <sup>2</sup>	Caprylic/Capric Triglyceride	3.75
Dub IPM <sup>2</sup>	Isopropyl Myristate	3.75
Massocare SQV <sup>3</sup>	Squalane	3.75
Cetiol OE <sup>4</sup>	Dicaprylyl Ether	3.75
Tocobiol C <sup>3</sup>	Tocopherol (mixed), β-Sitosterol, Squalene	0.10
Linatural Ultra-3 <sup>5</sup>	Propanediol/Pentylene glycol/ Phenethyl alcohol	1.80
Passioline <sup>6</sup>	Passiflora Edulis Seed Oil	0.50
NaOH (10% solution)	Aqua, Sodium Hydroxide	qs pH 5.5-6

Suppliers: <sup>1</sup> SNF; <sup>2</sup> Stéarinerie Dubois; <sup>3</sup> CQ Masso; <sup>4</sup> BASF; <sup>5</sup> Lincoln Manufacturing; <sup>6</sup> Laboratoires Expanscience

# Instant Boost Moisture Foot Cream

SNF - SK 045

Commercial Name	INCI	Wt.%
Deionized Water	Water (Aqua)	qs 100
<b>FLOCARE™ ET 100 <sup>1</sup></b>	<b>Sodium Polyacrylate, Ethylhexyl Stearate, Trideceth-6</b>	<b>3.00</b>
Edeta BD <sup>2</sup>	Disodium EDTA	0.05
Glycerin	Glycerin	2.00
Dermanet Squalane <sup>3</sup>	Glycerin & Water & Squalane & Hydrogenated Lecithin	2.00
NEOBEE® M-5 COSMETIC <sup>4</sup>	Caprylic/Capric Triglyceride	2.00
Organic Dates Seed Oil <sup>5</sup>	Balanites Aegyptiaca Kernel Oil	0.06
Lipex Shealiquid <sup>6</sup>	Butyrospermum parkii (shea) Butter	1.00
Olive Oil <sup>7</sup>	Olea Europea (Olive) Fruit Oil	2.00
Hydrosal Salcool <sup>8</sup>	Propylene Glycol, Ethyl Menthanone, Carboxamide, Menthyl Lactate, Methyl Diisopropylpropionamide, Hydroxy-propylcellulose, Isopropyl Palmitate, Phenoxyethanol, Silica, Ethylhexylglycerin.	1.00
Endicare TN <sup>9</sup>	C12-15 Alkyl Benzoate	2.00
Pineapple Guava Extract Blend A96122 <sup>10</sup>	Aromatic blend	0.10
Suncranov 818 UP <sup>11</sup>	Coco-Glucoside	0.50
Euxyl PE 9010 <sup>12</sup>	Phenoxyethanol (and) Ethylhexylglycerin	1.00
Gransil SiW-038 <sup>13</sup>	Dimethicone (and) Polysilicone-11 (and) Butyrospermum Parkii (Shea) Butter (and) Aqua/Water (and) Glycerin (and) Decyl Glucoside.	1.00

Suppliers: <sup>1</sup> SNF; <sup>2</sup> BASF ; <sup>3</sup> Bluesun International; <sup>4</sup> Dupont; <sup>5</sup> Bio Orient; <sup>6</sup> AAK; <sup>7</sup> Bertin; <sup>8</sup> Salvona; <sup>9</sup> Coast SouthWest ; <sup>10</sup> Carrubba; <sup>11</sup> LG; <sup>12</sup> Jan Dekker; <sup>13</sup> Grant Industries



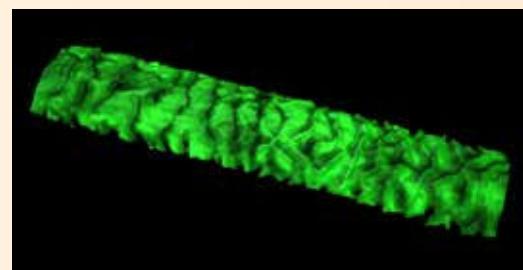
# Hair Care



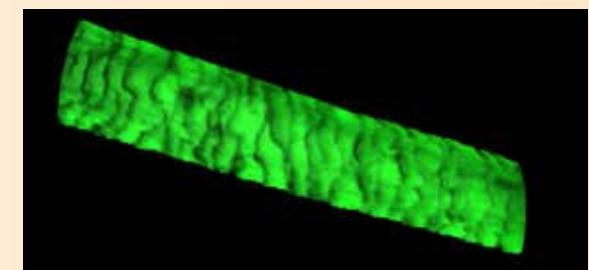
# Conditioning Polymers and Cationic Inverse Emulsions

The **FLOCARE™** range of products is available in liquid (solution) or dry form. Film formers (conditioners) coat hair or skin. When used in hair care, our conditioning polymers add a smooth coating to the hair's surface. This protective coating provides easier combability and softness.

## Softness



Untreated Hair (700x)

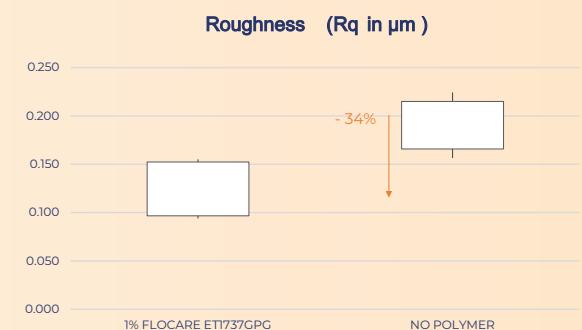


Hair Treated with FLOCARE™ ET 1737 GPG (1% active) (700x)

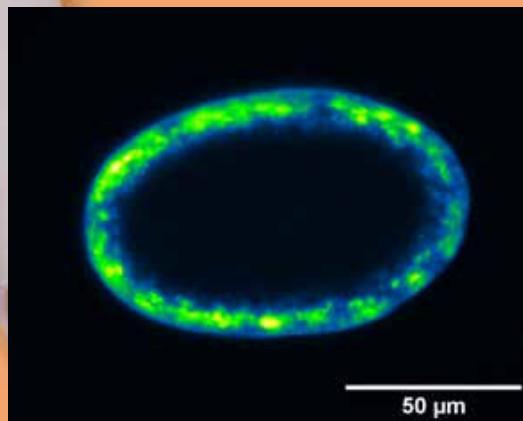
With the placebo, we observe that the hair has open scales (widely visible black grooves). The hair treated with the **FLOCARE™ ET 1737 GPG** range is visually similar with little open scales.

The roughness results demonstrate the effectiveness of the **FLOCARE™ ET 1737 GPG** range: 34% reduction in roughness at 1% polymer compared to placebo.

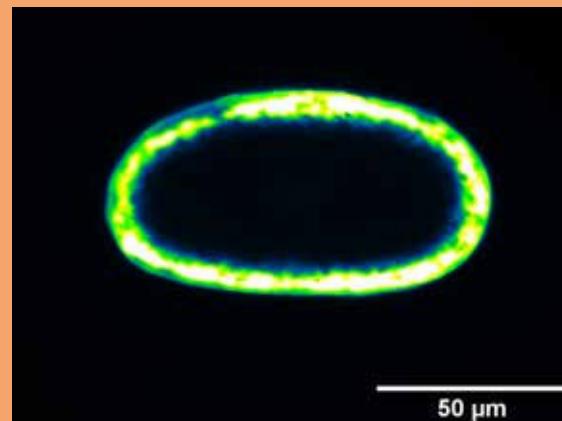
**FLOCARE™ ET 1737 GPG** range brings softness to the hair



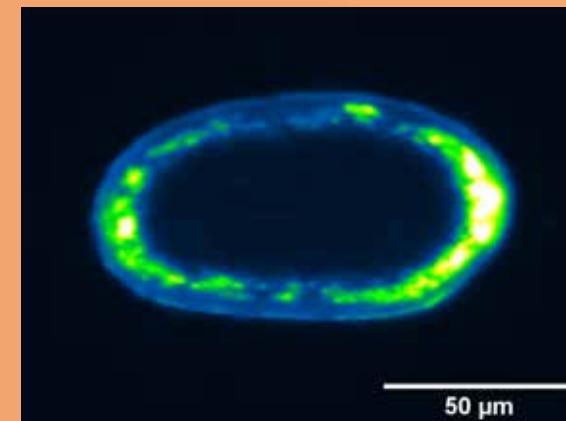
## Thermal Protection



Control: Virgin caucasian hair



Heat stress on virgin caucasian hair



Hair Treated with FLOCARE™ ET 1737 GPG (1% active) and stressed with heat

The penetration of the dye (fluorescence signal) is visualized in a color range (low levels in the dark, high levels in bright colors). Applying 1% **FLOCARE™ ET 1737 GPG** showed beneficial effects on the structural integrity and porosity of the hair fibers.

# Conditioning Polymers

Product	INCI Name	% Active	Recommended Dosage (Active %)	Applications and Uses
<b>FLOCARE™ C 106 MV</b>	Polyquaternium-6	39 - 41	0.2 - 0.5	Use in high pH or highly reactive formulations such as bleaches, hair color, or relaxers. This grade is self-preserved.
<b>FLOCARE™ C 107 LM PF</b>	Polyquaternium-7	8.8 - 9.8	0.2 - 0.5	Richness of foam, improvement of combability without build-up. Easy to use compared to PQ-6. Used in shampoos and body wash.
<b>FLOCARE™ C 107 SC PF</b>	Polyquaternium-7	39 - 41	0.2 - 0.5	Richness of foam, improvement of combability without build-up. Easy to use compared to PQ-6. Used in shampoos and body wash.
<b>FLOCARE™ C 122 PF</b>	Polyquaternium-22	39 - 43	0.2 - 0.5	Delivers conditioning in extreme pH. Mainly used in hair color, hair dyes, and hair bleach.
<b>FLOCARE™ C 139 PF</b>	Polyquaternium-39	10.2 - 11.5	0.2 - 0.5	Allows rich and thick foam with improved stability. Used in shampoos for damaged hair with good wet and dry combing properties.
<b>NATURSOL™ G 101</b>	Guar Hydroxypropyltrimonium Chloride	100	0.2 - 0.75	Good conditioning effect. Allows deposition of silicone or other oils. Greater foam stabilization in the presence of sebum.
<b>NATURSOL™ G 112</b>	Guar Hydroxypropyltrimonium Chloride	100	0.2 - 0.75	Purified guar derivative providing good conditioning benefits. Particularly recommended in transparent shampoos, body wash, and bath and shower lotions.
<b>NATURSOL™ G 202</b>	Hydroxypropyl Guar Hydroxypropyltrimonium Chloride	100	0.2 - 0.75	Enables the creation of transparent formulations. This guar is designed for high conditioning and it improves wet and dry combability. Brings excellent foam density.
<b>NATURSOL™ PQ 10 LM</b>	Polyquaternium-10	>94	0.2 - 0.75	Compatible with a wide range of anionic, non-ionic, and cationic systems. NATURSOL™ PQ 10 LM and NATURSOL™ G : a duo that elevates the conditioning performance of shampoos without compromising their crystal clear transparency.

# Rheology Modifiers

Product	INCI Name	% Active	Optimal pH Range	Applications and Uses
<b>FLOGEL™ FG 900</b>	Carbomer	> 95	5 - 10	Efficient thickening and stabilization. Soluble in water and alcohol. Provides high viscosity even at low concentrations (< 1%). Designed for hair sprays or hair styling gels.
<b>FLOGEL™ FG 1000</b>				
<b>FLOCARE™ ET 1237 PP1</b>	Polyquaternium-37, Mineral Oil, PPG-1 Trideceth-6	48 - 52	3 - 8	Multifunctional additive to deliver high thickening, conditioning, and straightening properties. Allows formulators to optimize the ingredients used in a cationic system (conditioners).
<b>FLOCARE™ ET 1737 GPG</b>	Polyquaternium-37, Propylene Glycol Dicaprylate/Dicaprate, PPG-1 Trideceth-6	48 - 52	3 - 8	Multifunctional additive to deliver high thickening, conditioning, and straightening properties. Allows formulators to optimize the ingredients used in a cationic system (conditioners).
<b>FLOCARE™ ES 502</b>	Sodium Polyacrylate, Mineral Oil, Trideceth-6	50	6 - 11	Allows hair color formulations. Provides viscosity and a creamy texture.
<b>FLOCARE™ PSD 1037 LV</b>	Polyquaternium-37	> 85	3 - 8	Straightening properties allow conditioning without build-up, especially for damaged fine hair. Recommended if electrolyte stability is required.
<b>FLOCARE™ PSD 1037 XT</b>	Polyquaternium-37	> 85	3 - 8	Suitable for transparent formulations with high yield value. Multifunctional additive to deliver thickening, conditioning, and straightening properties.

Recommended dosage is: 2 to 4% as supplied for FLOCARE™ ET and FLOCARE™ ES range  
 1 to 2% as supplied for FLOCARE™ PSD range

# Styling Aids

<b>FLOCARE™ C 111 PF</b>	Polyquaternium-11	19 - 21	0.2 - 1	Helps with moisturizing and aids in styling. Recommended for mousses and creams.
<b>FLOCARE™ C 111 NO</b>				

## Hair Mask

### SNF - HC 007

Commercial Name	INCI	Active %
Deionized Water	Water (Aqua)	QSP 100
<b>FLOCARE™ C 139 PF<sup>1</sup></b>	<b>Polyquaternium-39</b>	<b>0.10</b>
Massocare IPP <sup>2</sup>	Isopropyl Palmitate	3.00
Phenoxyethanol	Phenoxyethanol	0.80
<b>FLOCARE™ ET 1737 GPG<sup>1</sup></b>	<b>Polyquaternium-37, Propylene Glycol Dicaprylate/Dicaprate, PPG-1 Trideceth-6</b>	<b>1.50</b>

Suppliers: <sup>1</sup>SNF; <sup>2</sup>CQ Masso

## Clear Conditioner

### SNF - HC 015

Commercial Name	INCI	Active %
Deionized Water	Water (Aqua)	QSP 100
<b>NATURSOL™ G 202<sup>1</sup></b>	<b>Hydroxypropyl Guar Hydroxypropyltrimonium Chloride</b>	<b>0.50</b>
<b>FLOCARE™ PSD 1037 XT<sup>1</sup></b>	<b>Polyquaternium-37</b>	<b>1.00</b>
Saealoe Vera Juice <sup>2</sup>	Aloe Barbadensis (Leaf) Juice	3.00
Phenoxyethanol	Phenoxyethanol	0.80
Citric Acid (10% aqueous solution)	Water, Citric Acid	qs pH 4.0

Suppliers: <sup>1</sup>SNF; <sup>2</sup>CQ Masso

## Defining Cream

### SNF - HC 014

Commercial Name	INCI	Active %
Deionized Water	Water (Aqua)	QSP 100
Glycerin	Glycerin	2.00
<b>FLOCARE™ PSD 1037 LV<sup>1</sup></b>	<b>Polyquaternium-37</b>	<b>2.00</b>
Jojoba oil	Simmondsia Chinensis Seed oil	3.00
Tocobiol® C <sup>2</sup>	Tocopherol (mixed), $\beta$ -Sitosterol, Squalane	0.05
Phenoxyethanol	Phenoxyethanol	0.80
NaOH (10% aqueous solution)	Water, Sodium Hydroxide	qs pH 5.0

Suppliers: <sup>1</sup>SNF; <sup>2</sup>CQ Masso



## Sun-Kissed Mist

SNF - HC 020

Commercial Name	INCI	Active %
Deionized Water	Water (Aqua)	QSP 100
<b>FLOCARE™ PSD 1037 XT<sup>1</sup></b>	<b>Polyquaternium-37</b>	<b>0.40</b>
Ethanol	Ethanol	10.00
ROCKING SH. B.A. <sup>2</sup>	Parfum	1.00
Solubilisant LRI <sup>3</sup>	PPG-26-Buteth-26, PEG-40 Hydrogenated Castor Oil, Water	2.50
Glycerin	Glycerin	1.00
PARSOL HS <sup>4</sup>	Phenylbenzimidazole sulfonic acid	0.02
Phenoxyethanol	Phenoxyethanol	0.40
Mica		

Suppliers: <sup>1</sup> SNF; <sup>2</sup> Eurofragrance; <sup>3</sup> Sensient Beauty; <sup>4</sup> BASF

## Heat Wave Defender

SNF - HC 023

Commercial Name	INCI	Active %
Deionized Water	Water (Aqua)	QSP 100
Eau florale de Rose	Rosa Damascena Flower Water	2.00
Eau florale de Ylang-Ylang	Cananga Odoreta Flower Water	2.00
D-Panthenol 75 W <sup>1</sup>	Parfum	1.00
Beauté by Roquette® GA290 <sup>2</sup>	Gluconolactone	3.00
<b>FLOCARE™ ET 1737 GPG<sup>3</sup></b>	<b>Polyquaternium-37, Propylene Glycol Dicaprylate/Dicaprante, PPG-1 Trideceth-6</b>	<b>1.25</b>
<b>FLOCARE™ C 111 PF<sup>3</sup></b>	<b>Polyquaternium-11</b>	<b>0.50</b>
Coconut Oil <sup>4</sup>	Cocos Nucifera (Coconut) Oil	2.00
Castor Oil <sup>5</sup>	Ricinus Communis Seed Oil	2.00
Microcare BEHG <sup>6</sup>	Benzyl Alcohol, Ethylhexylglycerin	0.80
Sodium Hydroxyde (10% aqueous solution)	Aqua, Sodium Hydroxyde	qs pH 4.4-4.6

Suppliers: <sup>1</sup> BASF ; <sup>2</sup> Roquette ; <sup>3</sup> SNF ; <sup>4</sup> Vantage ; <sup>5</sup> Bertin ; <sup>6</sup> THOR





# **Bath & Shower**

# Conditioning Agents

Product	INCI Name	% Active	Recommended Dosage (Active %)	Applications and Uses
FLOCARE™ C 107 LM PF	Polyquaternium-7	8.8 - 9.8	0.1 - 0.25	Provides rich and creamy foam to bath and shower products with conditioning properties and soft after-feel to the skin.
FLOCARE™ C 122 PF	Polyquaternium-22	39 - 43	0.1 - 0.25	Creates stable, rich, and dense foam to bath and shower products. Provides conditioning properties and soft after-feel to the skin.
FLOCARE™ C 139 PF	Polyquaternium-39	10.2 - 11.5	0.1 - 0.25	Creates stable, rich, and dense foam to bath and shower products. Provides conditioning properties and soft after-feel to the skin.

# Rheology Modifiers

Product	INCI Name	% Active	Optimal pH Range	Applications and Uses
FLOGEL™ FG 900	Carbomer	> 92	5 - 10	Efficient thickening and stabilization. Soluble in water and alcohol. Provides high viscosity even at concentrations < 1%. Designed for sanitized hand soaps and scrub formulations.
FLOGEL™ FG 1000				
FLOCARE™ SK 425	Ammonium Polyacryloyldimethyl Taurate	> 92	4 - 8	Transparent formulations and exceptional sensory feel. Extreme resistance to electrolytes. Ideal for formulations with active ingredients.

## Brightening Facial Cleanser

SNF - SG 004

Commercial Name	INCI	Active %
Deionized Water	Water (Aqua)	QSP 100
AHA fruit acids	Aqua, Vaccinium Myrtillus Fruit Extract, Saccharum Officinarum Extract, Citrus Aurantium Dulcis Fruit Extract, Citrus Limon Fruit Extract, Acer Saccharum Extract	2.00
<b>FLOCARE™ SK 425<sup>1</sup></b>	<b>Ammonium Polyacryloyldimethyl Taurate</b>	<b>2.00</b>
Food color Ponceau 4R 80% (0.10% solution) <sup>2</sup>	Water, CI 16255	0.15
Amphotensid B4/CONC-I <sup>3</sup>	Cocamidopropyl Betaine	4.00
Miranol® Ultra C32 <sup>4</sup>	Sodium Cocoamphoacetate	0.96
Glycerin	Glycerin	3.00
Lincoserve™ WpH-LO <sup>5</sup>	Pentylene Glycol, Propanediol, Caprylyl Glycol, Ethylhexylglycerin	0.80
Solubilisant® LRI <sup>6</sup>	PPG-26 Buteth-26, PEG-40 Hydrogenated Castor Oil, Water	1.00
Pamplemousse rose	Parfum	0.50
Sodium Hydroxide (10% aqueous solution)	Water, Sodium Hydroxide	qs pH 4.5

Suppliers: <sup>1</sup>SNF; <sup>2</sup>Symrise; <sup>3</sup>Zschimmer & Schwarz; <sup>4</sup>Verdant; <sup>5</sup>Lincoln;  
<sup>6</sup>Sensient Beauty

## Facial Scrub

SNF - SG 005

Commercial Name	INCI	Active %
Deionized Water	Water (Aqua)	QSP 100
<b>FLOCARE™ SK 425<sup>1</sup></b>	<b>Ammonium Polyacryloyldimethyl Taurate</b>	<b>2.00</b>
Protelan™ LS 9011/SL <sup>2</sup>	Sodium Lauroyl Sarcosinate	1.90
Amphotensid B4/CONC-I <sup>2</sup>	Cocamidopropyl Betaine	3.00
Glycerin	Glycerin	3.00
Euxyl® PE 9010 <sup>3</sup>	Phenoxyethanol, Ethylhexylglycerin	0.80
Apricot exfoliator 1000 <sup>4</sup>	Prunus armeniaca (apricot) seed powder	0.30
Solubilisant® LRI <sup>5</sup>	PPG-26 Buteth-26, PEG-40 Hydrogenated Castor Oil, Water	0.30
Crème d'abricot	Parfum	0.13

Suppliers: <sup>1</sup>SNF; <sup>2</sup>Zschimmer & Schwarz; <sup>3</sup>Schülke; <sup>4</sup>Lessonia;  
<sup>5</sup>Sensient Beauty

# Clear Velvet Body Wash

SNF - SG 006

Commercial Name	INCI	Active %
Deionized Water	Water (Aqua)	QSP 100
Glycerin	Glycerin	1.80
Zetesol LES2/SL <sup>1</sup>	Sodium Laureth Sulfate	8.00
Miranol Ultra C32 <sup>2</sup>	Sodium Cocoamphoacetate	3.00
Euxyl™ PE9010 <sup>3</sup>	Phenoxyethanol, Ethylhexylglycerin	0.80
Citric Acid (50% aqueous solution)	Water, Citric Acid	qs pH 5.0-5.5
<b>FLOCARE™ C 107 LMPF<sup>4</sup></b>	<b>Polyquaternium-7</b>	<b>0.20</b>
Sodium Chloride	Sodium Chloride	0.40

Suppliers: <sup>1</sup>Zschimmer & Schwarz; <sup>2</sup>Verdant; <sup>3</sup>Schülke; <sup>4</sup>SNF



# Videos



NATURSOL™ EMI 132



FLOCARE™ SK 425



FLOCARE™ PQ 37  
RANGE







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