

Personal Care

2019 Product guide



ABOUT GATTEFOSSÉ

Gattefossé develops, manufactures and sells specialty ingredients for the personal care and pharmaceutical industries.

Specialist in lipid chemistry and plant extraction, Gattefossé offers recognized expertise in formulation and technological advice to its customers, using its application laboratories. Innovation, ethics, quality and stability are the company key-drivers since the beginning.

Gattefossé markets its products in more than 60 countries through 12 affiliated companies and a network of agents and distributors.

Gattefossé was founded in Lyon, France in 1880 by Louis Gattefossé to whom building strong relationship with customers was a priority. The company still is a family-run and independent business, and now employs more than 280 people worldwide.

EXPERTS IN LIPID CHEMISTRY AND PLANT EXTRACTION

We are expert in two complementary fields: lipid chemistry and plant extraction. This know-how enables us to meet the latest market trends in both natural performing actives and functional excipients, recognized for their sensorial benefits. A full package of technical data is available for each ingredient, including regulatory status, tolerance tests and environmental certificates.

PROVIDING INNOVATIVE SOLUTIONS

Our commitment to innovation is based on our willingness to constantly move forward. We master formulation as well as sensorial analysis, we know our customers' business and use our technical centers of excellence to provide them with customized products and formulations all over the world. An extensive range of finished product prototypes illustrates the benefits of our ingredients.



Contents



Our actives concentrate the best of nature and deliver their full potential to high efficacy formulations.



Our natural extracts deliver the perfect activity boost to your formulations.

Discover our wide range of fruit and plant extracts.



Our sensorial emulsifiers and texturizing agents allow the creation of innovative textures and varied formulations.

Actives



At Gattefossé, we strongly believe in the potential of nature. All our actives come from natural plant resources that are selected according to exhaustive research on their composition.

Our experts travel the world and build a sustainable network of partners in order to implement a sourcing procedure that fits the high level of specifications and quality commitments of the company.

High-tech extraction technologies

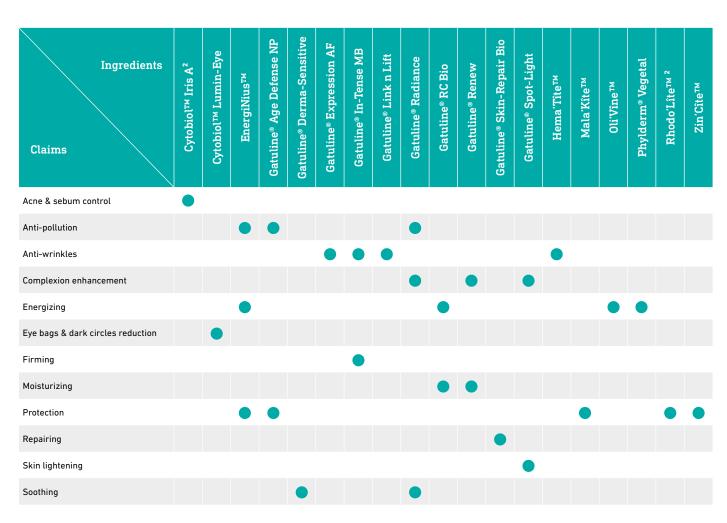
Our scientists use their **expertise in plant extraction** to select and develop new methods and processes that allow extraction and stabilization of active molecules.

At each development stage, the environment is a major concern. The discovery of inventive extraction processes using "green" solvents is an important part of today's research program.

Performance & substantiation

As **proven efficacy is essential**, our cell culture laboratory allows us to be at the forefront of technology in testing. These facilities enable us to better understand the mechanism of action of our ingredients.

Clinical evaluations are designed and conducted in collaboration with partner laboratories. **The performance of our active ingredients is fully demonstrated and substantiated.**



Actives

Name	INCI	Preservative	Natural status	China: IECIC 2015
Cytobiol™ Iris A²	Propanediol (and) Water (and) Alcohol (and) Iris Florentina Root Extract (and) Zinc Sulfate (and) Retinyl Palmitate	Preservative Free	1	~
Cytobiol™ Lumin-Eye	Butylene Glycol (and) Water (and) Niacinamide (and) Fraxinus Excelsior Bark Extract (and) Silanetriol	Preservative Free	/	~
EnergiNius™	Fructose (and) Glycerin (and) Water (and) Withania Somnifera Root Extract	Potassium Sorbate 0.10-0.22% Citric Acid 0.08-0.12%	COSMOS (certified)	~
Gatuline® Age Defense NP	Water (and) Juglans Regia (Walnut) Seed Extract	Benzoic Acid 0.5% Sorbic Acid 0.1%	1	~
Gatuline® Derma-Sensitive	Octyldodecyl Myristate (and) Capparis Spinosa Fruit Extract	Preservative Free	ECOCERT/COSMOS (approved)	~
Gatuline® Expression AF	Propanediol (and) Water (and) Acmella Oleracea Extract	Preservative Free	ECOCERT/COSMOS (approved)	~
Gatuline® In-Tense MB	Caprylic/Capric Triglyceride (and) Spilanthes Acmella Flower Extract	Preservative Free	1	~
Gatuline® Link n Lift	Fructose (and) Glycerin (and) Water (and) Aesculus Hippocastanum (Horse Chestnut) Extract	Potassium Sorbate 0.18-0.22% Citric Acid 0.08-0.12%	ECOCERT/COSMOS (certified)	~
Gatuline® Radiance	Propanediol (and) Evodia Rutaecarpa Fruit Extract	Preservative Free	1	~
Gatuline® RC Bio	Water (and) Fagus Sylvatica Bud Extract	Benzoic Acid 0.2% Benzyl Alcohol 3%	ECOCERT/COSMOS (certified)	~
Gatuline® Renew	Butylene Glycol (and) Water (and) Cryptomeria Japonica Bud Extract	Preservative Free	ECOCERT/COSMOS (approved)	~
Gatuline® Skin-Repair Bio	Alcohol (and) Water (and) Onopordum Acanthium Flower/Leaf/Stem Extract	Preservative Free	ECOCERT (certified) COSMOS (approved)	1
Gatuline® Spot-Light	Butylene Glycol (and) Actinidia Chinensis (Kiwi) Fruit Water (and) Alcohol (and) Sophora Flavescens Root Extract	Preservative Free	ECOCERT/COSMOS (approved)	~
Hema'Tîte™	Hematite Extract	Phenoxyethanol 0.4% Sorbic Acid 0.1%	1	~
Mala'Kîte™	Water (and) Malachite Extract	Preservative Free	/	~
Oli'Vîne™	Olivine Extract	Phenoxyethanol 1%	/	~
Phylderm® Vegetal	Hydrolyzed Soy Protein	Benzoic Acid 0.5% Sorbic Acid 0.1%	/	~
Rhodo'Lîte™ ²	Rhodochrosite Extract	Phenoxyethanol 0.4% Sorbic Acid 0.1%	1	~
Zin'Cîte™	Smithsonite Extract	Preservative Free	COSMOS (approved)	~

Substantiation	Use Level	Claims	Packaging
In vitro In vivo	3-5%	Targets imperfections Purifies Fights existing blemishes	5 kg
In vivo	5%	Diminishes dark circles Fights under-eye bags Hides symptoms of fatigue	5 kg
In vitro In vivo	1%	Boosts cellular energy Protects from skin-emitted light Fights digital pollution	5 kg
In vitro Ex vivo In vivo	0.5-6%	Provides complete protection from oxidative stress Fights extrinsic and intrinsic aging Protects hair and skin from UV and environmental damage	5 kg 25 kg
In vitro In vivo	2%	Reduces secretion of pro-inflammatory mediators Diminishes clinical signs of inflammation Improves comfort of sensitive and hyper-reactive skin	800 g 4 kg
In vitro In vivo	2-5%	Instant myorelaxant effect Erases expression lines Smoothes and redesigns the lip contour	5 kg
In vitro In vivo	2%	Immediate results Reinforces the architecture of the dermis for tighter, firmer looking skin Enhances the density of the skin, leading to a reduction in roughness	5 kg 25 kg
In vitro In vivo	2%	Significantly reduces eye contour wrinkles: crow's-feet, tear trough and under-eye wrinkles Restructures and smoothes the skin Fast acting	5 kg
In vitro Ex vivo In vivo	1-3%	Boosts skin microcirculation Enhances skin radiance and luminosity Anti-pollution	1 kg 5 kg
In vitro In vivo	2-5%	Reinforces epidermal architecture Increases skin moisture Reduces wrinkle depth	5 kg
In vitro Ex vivo In vivo	1%	Improves overall skin quality Visibly improves skin texture Leaves skin smoother, softer, suppler, and more comfortable	5 kg
In vitro Ex vivo In vivo	2%	Stimulates optimal reconstruction of dry or damaged skin Promotes natural regeneration for fresher, smoother, more radiant skin Restores skin barrier for enhanced moisturization and protection	4 kg
In vitro In vivo	3%	Reduces visibility and number of age spots Diminishes appearance of dark spots Lightens skin tone	5 kg
In vitro Ex vivo In vivo	0.5-2%	Stimulates collagen synthesis Restores mechanical properties of the skin Visible wrinkle reduction	1 kg 5 kg
In vitro	1-5%	Antioxidant Protects skin and hair from environmental stress Natural and stable colorant	1 kg 5 kg
In vitro	0.5-3%	Energizing Combats cutaneous stress Helps fight dull, tired skin	1 kg 5 kg
In vitro	5-10%	Boosts cell metabolism Provides essential nutrients Stimulates skin cell renewal	1 kg 5 kg 25 kg
In vitro	1-5%	Shields fibroblasts from UVA Stimulates natural cell defenses Provides deep skin protection	1 kg 5 kg
In vitro	1-5%	Protection from UVB Geno-protection Anti-glycation activity	1 kg 5 kg

Other references - upon request

Extracts



Gattefossé, a history of plants

Since 1880, Gattefossé has been a leading manufacturer of botanical extracts, inspired by nature and created for the cosmetic industry. Our knowledge of the vegetal world enables us to offer a complete range of plant and fruit extracts for cosmetic use.

Targeted extraction technologies

Our researchers develop and select responsible extraction processes to concentrate the best of nature, and therefore maintain all benefits of the fresh plant.

Environment being a major concern for Gattefossé, many of our extracts derive from the food processing industry, in the aim of sub-product valorization.

True benefits

Used as co-actives, botanical extracts present many advantages: they are **easy to use and compatible with all types of cosmetic products**.

Particularly rich in essential nutrients, our extracts can be used for moisturizing, nourishing and anti-aging benefits.



Fresh Cells™ are cellular suspensions of whole, fresh fruit cells, obtained by a specific enzymatic process. When they come in contact with the skin, they release their precious content into the skin.



Original Extracts™ are living waters truly designed for cosmetic formulations. Directly obtained from fruits or plants, they contain a well-balanced content of trace elements, mineral salts and essential oils.



Fruit Secrets™ is a range of concentrated fruit juices, offering their benefits to natural cosmetics. They provide the skin with its daily dose of natural substances such as trace elements, amino acids and vitamins.



Discover or rediscover our wide range of botanicals. Oily and/or water soluble, they bring a natural touch to any cosmetic formulation.

Extracts

Name	INCI	Preservative	Natural status	China: IECIC 2015
Fresh Cells™				
Fresh Cells™ Carrot PFE	Water (and) Daucus Carota Sativa (Carrot) Root Extract	Sorbic Acid, Phenoxyethanol, Ethylexylglycerin	/	~
Fresh Cells™ Kiwi PFE	Water (and) Actinidia Chinensis (Kiwi) Fruit Extract	Sorbic Acid, Phenoxyethanol, Ethylexylglycerin	1	~
Fresh Cells™ Mango PFE	Water (and) Mangifera Indica (Mango) Fruit Extract	Sorbic Acid, Phenoxyethanol, Ethylexylglycerin	1	~
Fresh Cells™ Pumpkin PFE	Water (and) Cucurbita Pepo (Pumpkin) Fruit Extract	Sorbic Acid, Phenoxyethanol, Ethylexylglycerin	/	~
Fresh Cells™ Strawberry PFE	Water (and) Fragaria Vesca (Strawberry) Fruit Extract	Sorbic Acid, Phenoxyethanol, Ethylexylglycerin	/	~
Fruit Secrets™				
Acerola Secrets™	Maltodextrin (and) Malpighia Glabra (Acerola) Fruit Extract	Preservative Free	ECOCERT/COSMOS (approved)	~
Apple Secrets™	Pyrus Malus (Apple) Fruit Extract	Preservative Free	ECOCERT/COSMOS (approved)	~
Lemon Secrets™	Citrus Lemon (Lemon) Fruit Extract	Preservative Free	ECOCERT/COSMOS (approved)	~
Orange Secrets™	Citrus Aurantium Dulcis (Orange) Fruit Extract	Preservative Free	ECOCERT/COSMOS (approved)	~
Papaya Secrets™	Maltodextrin (and) Carica Papaya (Papaya) Fruit Extract	Preservative Free	ECOCERT/COSMOS (approved)	~
Original Extracts™				
Original Extract™ Apple	Pyrus Malus (Apple) Fruit Water	Preservative Free	ECOCERT/COSMOS (approved)	~
Original Extract™ Bamboo	Phyllostachys Bambusoides Extract	Preservative Free	ECOCERT/COSMOS (approved)	~
Original Extract™ Cherry Bio	Prunus Cerasus (Bitter Cherry) Fruit Water	Preservative Free	ECOCERT/COSMOS (certified)	~
Original Extract™ Cranberry Bio	Vaccinium Macrocarpon (Cranberry) Fruit Water	Preservative Free	ECOCERT/COSMOS (certified)	~
Original Extract™ Ginger	Zingiber Officinale (Ginger) Water	Preservative Free	ECOCERT/COSMOS (approved)	~
Original Extract™ Grape	Vitis Vinifera (Grape) Fruit Water	Preservative Free	ECOCERT/COSMOS (approved)	~
Original Extract™ Grape Bio	Vitis Vinifera (Grape) Fruit Water	Preservative Free	ECOCERT/COSMOS (certified)	~
Original Extract™ Grapefruit	Citrus Grandis (Grapefruit) Fruit Water	Preservative Free	ECOCERT/COSMOS (approved)	~
Original Extract™ Kiwi	Actinidia Chinensis (Kiwi) Fruit Water	Preservative Free	ECOCERT/COSMOS (approved)	~
Original Extract™ Lemon Bio	Citrus Lemon (Lemon) Fruit Water	Preservative Free	ECOCERT/COSMOS (certified)	~
Original Extract™ Lotus	Nelumbo Nucifera Root Water	Preservative Free	ECOCERT/COSMOS (approved)	~
Original Extract™ Orange	Citrus Aurantium Dulcis (Orange) Fruit Water	Preservative Free	ECOCERT/COSMOS (approved)	~
Original Extract™ Orange Bio	Citrus Aurantium Dulcis (Orange) Fruit Water	Preservative Free	ECOCERT/COSMOS (certified)	~
Original Extract™ Rice	Oryza Sativa (Rice) Bran Water	Preservative Free	ECOCERT/COSMOS (approved)	~

Use Level	Claims	Packaging
5%	Protection (anti-oxidant)	5 kg
5%	Protection (anti-oxidant)	5 kg
5%	Skin complexion and moisturization (anti-tyrosinase and anti-hyaluronidase activities)	5 kg
5%	Protection (anti-oxidant)	5 kg
5%	Moisturization (anti-hyaluronidase activity)	5 kg
0.5-2%	Anti-free radical, pro-moisturization	25 kg
1-10%	Cell protection, anti-free radical effect	25 kg
1-10%	Anti-inflammatory, anti-oxidant, antiseptic and astringent	20 kg
1-10%	Stable source of vitamin C	20 kg
0.5-2%	Smoothing, exfoliating, revitalizing	25 kg
Up to 100%	Anti-aging, energizing	20 kg
Up to 100%	Nourishing	20 kg
Up to 100%	Anti-aging	20 kg
Up to 100%	Stimulating and nourishing	20 kg
Up to 100%	Stimulates the anti-radical power of natural antioxidants.	20 kg
Up to 100%	Nourishing	20 kg
Up to 100 %	Nourishing	20 kg
Up to 100%	Nourishing	20 kg
Up to 100%	Enhances skin radiance, moisturization	20 kg
Up to 100 %	Targets uneven skin complexion and age spots	20 kg
Up to 100%	Soothing, boosts efficacy of vitamin C	20 kg
Up to 100%	Nourishing	20 kg
Up to 100%	Nourishing	20 kg
Up to 100%	Boosts natural antioxidant properties, stimulates efficacy of vitamin C	20 kg

Other references - upon request

 $\mathbf{10}$

Textures

Our sensorial emulsifiers and texturizing agents allow the creation of innovative textures and varied formulations.



The texture is at the heart of a cosmetic product and is responsible for the creation of different sensations and reactions. For more than fifty years, our experts have contributed to develop a strong know-how in oleochemistry. Using their creativity and expertise, they innovate and create unique lipidic ingredients both functional and sensorial.

Natural origin

The majority of our portfolio is of **100% plant origin**. Our latest developments illustrate our efforts in selecting original, secure and economically viable sources.

As a user of palm oil and palm kernel oil derivatives, Gattefossé is sensitive to the environmental impact of palm tree growing and participates in the development of sustainable cultivation, providing its customers with environmentally responsible ingredients.

Our company is an active member of RSPO (Roundtable on Sustainable Palm Oil) since 2010. In 2013, Gattefossé achieved the RSPO supply chain certification. Since then, we offer products certified RSPO Segregated and Mass Balance.

Formulation and sensory analysis

Our team of formulators is in charge of the evaluation of the texture ingredients and the creation of a wide range of cosmetic formulations.

As a texture is difficult to characterize with physical parameters, we have set up a sensorial panel for texture analysis. This internal panel of sensory experts works closely with our chemists since 1996 to better understand the behavior and benefits of lipochemical ingredients, pure or in formulation.

Ingredients Functionalities	Acticire® MB	Apifil® CG	Cocoate™ BG MB	Compritol® 888 CG	Definicire™	DPPG CG	Emulfree® CBG MB	Emulium® 22 MB	Emulium® Delta MB	Emulium® Illustro	Emulium® Kappa MB	Emulium® Mellifera MB	Isostearyl Isostearate	Labrafac™ CC MB	Lipocire TM A SG	мор мв	Plurol® Diisostearique CG	Plurol® Stearique MB	Transcutol® CG
O/W emulsifier																			
W/O emulsifier										•							•		
Dispersant																			
F#:																			
Efficacy booster																			
Emollient			•			•													

Textures

Name	INCI	PEG free	Natural status	China: IECIC 2015
Acticire® MB	Jojoba Esters (and) Helianthus Annuus (Sunflower) Seed Wax (and) Acacia Decurrens Flower Wax (and) Polyglycerin-3	~	COSMOS (approved)	~
Apifil® CG	PEG-8-Beeswax	1	1	~
Cocoate™ BG MB	Butylene Glycol Cocoate	I	1	~
Compritol® 888 CG (ATO/Pellets)	Glyceryl Behenate	~	ECOCERT/COSMOS (approved)	~
Definicire™	Jojoba Esters (and) Helianthus Annuus (Sunflower) Seed Wax (and) Polyglycerin-3	~	COSMOS (approved)	~
DPPG CG	Propylene Glycol Dipelargonate	~	1	~
Emulfree® CBG MB	Isostearyl Alcohol (and) Butylene Glycol Cocoate (and) Ethylcellulose	~	/	~
Emulium® 22 MB	Tribehenin PEG-20 Esters	I	1	~
Emulium® Delta MB	Cetyl Alcohol (and) Glyceryl Stearate (and) PEG-75 Stearate (and) Ceteth-20 (and) Steareth-20	1	1	~
Emulium® Illustro	Polyglyceryl-6 Polyhydroxystearate (and) Polyglyceryl-6 Polyricinoleate	~	COSMOS (approved)	~
Emulium® Kappa MB	Candelilla / Jojoba / Rice Bran Polyglyceryl-3 Esters (and) Glyceryl Stearate (and) Cetearyl Alcohol (and) Sodium Stearoyl Lactylate	~	COSMOS (approved)	~
Emulium® Mellifera MB	Polyglyceryl-6 Distearate (and) Jojoba Esters (and) Polyglyceryl-3 Beeswax (and) Cetyl Alcohol	~	COSMOS (approved)	~
Isostearyl Isostearate	Isostearyl Isostearate	~	1	~
Labrafac™ CC MB	Caprylic / Capric Triglyceride	~	ECOCERT/COSMOS (approved)	~
Lipocire™ A SG	C10-18 Triglycerides	~	ECOCERT/COSMOS (approved)	~
MOD MB	Octyldodecyl Myristate	~	ECOCERT/COSMOS (approved)	~
Plurol® Diisostearique CG	Polyglyceryl-3 Diisostearate	~	ECOCERT/COSMOS (approved)	~
Plurol® Stearique MB	Polyglyceryl-6 Disterate	~	COSMOS (approved)	~
Transcutol® CG	Ethoxydiglycol	1	1	~

Other references - upon request

Use Level	Claims	Packaging
1-5%	Improves stability and sensoriality of emulsions Allows innovative formulations Brings moisturization and comfort	1 kg 10 kg
2-6%	Derived from beeswax Naturally moisturizing Increases emulsion viscosity and improves stability	25 kg
1-15%	Pigment wetting agent Organic UV filter solubilizer Emollient	25 kg
0.5-25%	Oil thickener Powder touch Emulsion stabilizer	25 kg
2%	Increases hair hydrophobicity Ensures hair discipline Protects from pollution	1 kg 10 kg
1-30%	Provides a light feel	25 kg 200 kg
1-6%	Surfactant free system Water resistant Ultra-light sensation	20 kg
2-6%	Refined touch Fine emulsions Good compatibility with sunscreens and pigments	25 kg
2-6%	Strong emulsifying and stabilizing properties Solution for difficult formulations Velvet touch	25 kg
3-5%	Ideal for W/O color cosmetics and suncare emulsions Ultra-fluid to thick textures Combines performance and flexibility	25 kg
2.5-6%	Derived from natural waxes Active textures (moisturization) Cushion feel	25 kg
2-4%	Auto adapts to climate Moisturizing and anti-pollution benefits Adapted to sensitive and hyper reactive skin	25 kg
1-30%	Binding agent Provides superfatting properties Suitable for lipsticks	20 kg 185 kg
1-30%	Crystal-clear grade	25 kg 200 kg
2-10%	Perfect heat stability Gives body to emulsions Improves spreadibility and comfort	20 kg
1-30%	Provides a soft feel	20 kg 185 kg
4-6%	Water in oil formulations Pigment wetting properties	25 kg
4-6%	Creates creamy textures Matte and powdery after-feel	25 kg
2-30%*	Superior solubilizer Efficacy booster for cosmetic formulations Highest purity	25 kg 200 kg

^{*}restricted use levels in Europe

The information given in this brochure is presented in good faith and we believe that it is correct at the moment of printing, but no warranty as to accuracy of results or fitness for a particular use is given. It cannot substitute for indispensable preliminary tests that must be conducted to ensure product suitability for each intended use. Nothing herein shall be construed as a recommendation or license to use any information will not infringe any such patent or trademark. The user's attention is also drawn to the possible risks incurred if a product is used for a purpose other than its designed purpose. The user shall be solely liable for the precautions taken relevant to the use made of the products. This information does not exempt the user from ensuring that he may possibly come under other obligations pursuant to laws or regulations other than those indicated relating to the possession and manipulation of the product for which he shall be solely liable.



www.gattefosse.com









Corporate Headquarters

36 chemin de Genas - CS 70070 - 69804 Saint-Priest Cedex - France +(33) 4 72 22 98 00