

EMOLLIENT ESTERS

THE BEST WAY TO PROTECT, HYDRATE AND LUBRICATE THE SKIN.

Emollients are used in many cosmetic formulations with the function of softening the skin and avoiding water evaporation from the skin. They are introduced into emulsions to give more or less rich / silky / evanescent textures depending on the ester or the mixture of esters chosen.

Main functions

- Prevent the loss of moisture in your skin (reduce the TEWL)
- Soften scaling or peeling skin
- Soothe irritated or dry skin

Our Offer

There are different types of emollients (of natural and synthetic origin). In this leaflet we focus on esters. For some of them also RSP0, PALM FREE and COSMOS quality is available.



INCI	MP	CAS	SPREADING VALUE (mm ² /10 min)	REFRACTIVE INDEX at 20 °C	DENSITY at 20 °C (g/cm ³)	PROPERTIES
C12-15 Alkyl Benzoate	MP 017475	68411-27-8	400	1.483 - 1.487	0.915 - 0.945	Slight/odorless, clear liquid with a cloud point/melting point of approximately 4°C. It can be applied in hair spray, creams, lotions and make-up products. Effective plasticizer for acrylic polymer in nail lacquers. In cosmetic formulations, it adds slip and reduces drag. Good solubilization of UV filters.
Caprylic/Capric Triglyceride	MP 017970	73398-61-5	550	1.440 - 1.452	0.930 - 0.960	Clear, slightly yellowish, polar oil with characteristic odour. It is used as a carrier for flavors, vitamins, essential oils and colors. It can be used as a mineral oil alternative for a variety of applications including release agent and polishing agent. It is made using glycerol from vegetable oil sources and medium-chain fatty acids from coconut or palm kernel oil
Cetyl Palmitate	MP 025162	97404-33-6	N/A	N/A	N/A	Solid-flakes, white/ivory. Emollient thickener in emulsions, suitable for creams, lotions, sticks and decorative cosmetics.
Coco-Caprylate/Caprates	MP 025257	95912-86-0	1300	1.4430 - 1.4470	0.855 - 0.860	Clear, light yellow liquid. Very light and fast spreading emollient that spreads quickly upon application before leaving a soft and powdery after-feel on skin, provides long-term moisturization. Obtained by esterification of coconut alcohol with caprylic acid and capric acid providing perfect reproducibility, easy to emulsify, a soft and light feel, and average polarity
Decyl Oleate	MP 018002	3687-46-5	700	1.455 - 1.458	0.860 - 0.870	Medium spreading and lubricity emollient for all cosmetic applications.
Dibutyl Adipate	MP 029672	105-99-7	1000	1.4340 - 1.4370	0.985 - 0.962	Colorless clear liquid. Oily component with a weak greasy character, suitable for day creams and liquid emulsions, good spreading properties on the skin, softens synthetic polymers by reducing brittleness and cracking. Acts as lubricant on the skin surface, which gives the skin a soft and smooth appearance, and as a solvent that is used to dissolve other substances. Good solubilization of UV filters
Dicaprylyl Carbonate	MP 030835	1680-31-5	1200	1.427 - 1.437	0.875 - 0.895	Colorless, almost odorless and has liquid appearance at room temperature. Fast spreading emollient for all cosmetic applications with a velvet, dry skin feel, outstanding solubilizing capacities for crystalline UV-filters. It can be used as a skin conditioning agent, emollient and solvent to enhance the absorption of other ingredients in various cosmetic formulations. It does not leave stickiness and gives soft and smooth feeling of use.
Dicaprylyl Ether	MP 070008	629-82-3	1600	1.4300 - 1.4350	0.800 - 0.815	Clear liquid, colourless, odourless. Fast spreading emollient with a dry skin feel suitable for all cosmetic applications for deo/antiperspirant and depilatory formulations and for various cosmetic hair care preparations, especially hair shampoos. Suited for silicone alternative formulations. Hydrolysis stable
Ethylhexyl Palmitate	MP 010030	29806-73-3	900	1.446 - 1.448	0.853 - 0.865	Liquid, odourless, slightly yellowish oil of mean polarity. Excellent chemical and heat stabilities, can't be oxidated, colour-changed or odor-changed. Moistens and nourishes the skin with no irritation, provides good spreading capacity.
Ethylhexyl Stearate	MP 025497	22047-49-0	800	1.4445 - 1.4490	0.854 - 0.865	Medium viscous cosmetic oil, good spreadability, oxidation stable, clear liquid with a cloud point/melting point of approximately 10°C. Suitable for all types of creams and lotions, body oils and bath additives. Help improve the barrier function of the skin, emollient with low irritation, good lubricity and skin absorbance and outstanding solvent properties. It is also recommended for use in sunscreens, due to compatibility with UV filters.
Isononyl Isononanoate	MP 006682	59219-71-5	1300	1.430 - 1.445	0.850 - 0.860	Used in numerous cosmetic applications such as skin toners, bath oils, light creams and lotions. It is an ester that works wonders in body care, facial care, makeup and sun care formulas, improving their spreadability and giving them a distinctive silky feel. It also has good hydration power resulting in improved cutaneous comfort. Highly branched low molecular weight dry and silky ester that exhibits unique characteristics such as extremely low freeze point, low viscosity, good penetrating power, excellent solubility and compatibility in a variety of ingredients such as esters, volatile silicones, mineral and vegetable oils
Isopropyl Myristate	MP 021121	110-27-0	1200	1.434 - 1.437	0.840 - 0.855	Clear, colourless oily liquid. Emollient for bath oils, baby oils, sun oils, creams, and lotions. Provides moisturizing, high spreading capacity. Ideal for skin care formulations.
Isopropyl Palmitate	MP 022624	142-91-6	1000	1.435 - 1.440	0.850 - 0.855	Clear, colourless oily liquid. It can easily be absorbed by the skin tissue, and provides good spreading-over capacity to cosmetics, so as to nourish skin with smooth feeling.
Myristyl Myristate	MP 030946	3234-85-3	N/A	N/A	N/A	Can be applied in skin products, make-up and lipstick products. Waxy emollient with consistency giving properties, suitable for all skin care formulations. 100% active, all vegetable derived, soft, wax-like ester used to build creaminess and viscosity in creams and lotions
PPG-15 Stearyl Ether	MP 012411	25231-21-4	300	N/A	1.45	Clear liquid. Emollient suitable for skin care, colour cosmetics, deodorants and antiperspirants. Good resistance to hydrolysis at extreme pHs



Get in touch to request a sample,
a quote, documentation,
or advice on the best emollient for your purpose!

Product identification

- [MP 017475 C12-15 Alkyl Benzoate](#)
- [MP 017970 Caprylic/Capric Triglyceride](#)
- [MP 025162 Cetyl Palmitate](#)
- [MP 025257 Coco-Caprylate/Caprate](#)
- [MP 018002 Decyl Oleate](#)
- [MP 029672 Dibutyl Adipate](#)
- [MP 030835 Dicaprylyl Carbonate](#)
- [MP 070008 Dicaprylyl Ether](#)
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