



PRODUCT IDENTIFICATION

(I) Supplier name	AMEDEO BRASCA & C. S.r.l. Via Celeste Milani, 24 21040 Origgio (VA) ITALY.						
(II) INCI name	OLIVE GLYCERIDES						
(III) Regulatory information	Empirical Formula: Not applicable. Chemical name: Not applicable. <table border="1" data-bbox="517 685 1350 763"><thead><tr><th>INCI name</th><th>CAS n.</th><th>EC n.</th></tr></thead><tbody><tr><td>OLIVE GLYCERIDES</td><td>91744-60-4</td><td>294-624-2</td></tr></tbody></table> US and European Pharmacopoeia: Not applicable. Classification & labelling according to EU Chemical regulation: this product is not subject to labelling, it does not contain any dangerous compound (regulation 1272/2008). Transport: not regulated.	INCI name	CAS n.	EC n.	OLIVE GLYCERIDES	91744-60-4	294-624-2
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OLIVE GLYCERIDES	91744-60-4	294-624-2					
(IV) Functions	Emulsifying / Humectant.						
(V) Geographical origin	Italy						

REGULATORY STATUS

(VI) Inventory position	Component(s) listed in TSCA (US): yes. Component(s) listed in ENCS (Japan): yes. Component(s) listed in KECL (South Korea): yes.
(VII) Regulatory Status	No restriction or limitation for personal care applications.
(VIII) Regulatory Conformity to 1223/2009/EC	CMR: OLIFEEL® TD 7525 TM does not contain any substances intentionally added and classified as Carcinogenic, Mutagenic or Reprotoxic. Allergens: We certify that OLIFEEL® TD 7525 TM complies with Regulation (EC) 1223/2009 regarding the presence of the 26 substances identified as allergenic in cosmetics. Due to the nature of the materials used for our productions and to bibliographic data, it can be stated that these allergens are absent. TSE/BSE: We confirm that OLIFEEL® TD 7525 TM does not contain any animal raw material, therefore it is free from any BSE/TSE transmitting agents Animal testing: We declare that no animal testing was made by Amedeo Brasca & C. srl for cosmetic use accordingly to Regulation (EC) 1223/2009. REACH: OLIFEEL® TD 7525 TM has been pre-registered.
(IX) Toxicology Ecotoxicity Biodegradability information	Toxicological information LD50 oral : Not Applicable*. LD50 skin : Not Applicable*. LD50 inhalation : Not Applicable*. NOAEL value (No Observable Adverse Effect Level): Not available. ADI (Admissible Daily Intake): not available. Eye irritation (in vitro test for the evaluation of the ocular irritation potency of an



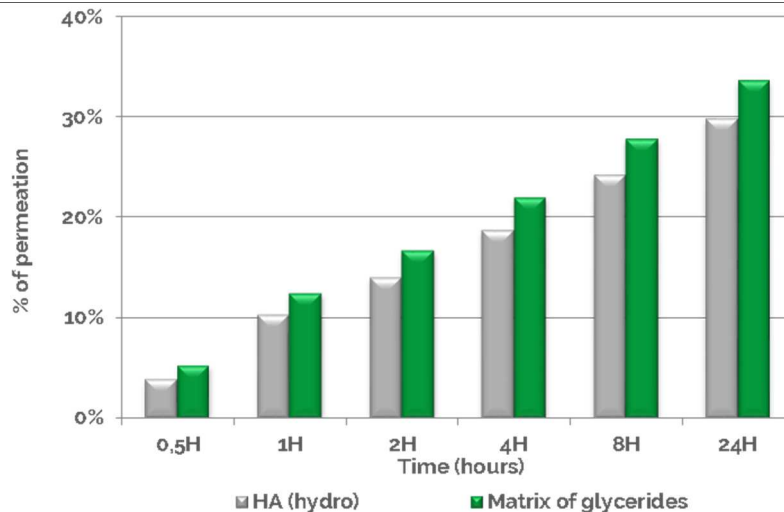
	<p>undiluted sample of product, full report available on demand): practically not irritant. Skin Irritation: dermatologic test with repeated application under occlusive for the evaluation of the potential skin Irritation of undiluted product, full report available on demand): Not irritant <i>* The product is considered not to be toxic.</i></p> <p>Material already used in cosmetic formulation: Yes.</p> <p><u>Ecological & Biodegradability information</u></p> <p><u>Ecotoxic effects</u> Daphnia toxicity: not soluble in water. Seaweed toxicity: not soluble in water. Bacterial toxicity: not soluble in water.</p> <p><u>General information:</u> The characteristic of degradation of the products has not been tested.</p> <p><u>Disposal indications:</u> Accumulation: no data available. Environmental impact: not toxic for environment.</p> <p>PBT: No vPvB: No H400-H410: No.</p>
(X) Unavoidable impurities and possible traces of contaminants	<p>SVHC: absence. Heavy metals: absence. Pesticides: absence. GMO: absence. Food allergens (included gluten and nuts): absence. Residual solvents: absence. Polycyclic Aromatic Hydrocarbons: absence. Free amines: absence. Phthalates: absence. Glycol ethers: absence. Formaldehyde: absence. Ethylene oxide: absence. Nanomaterials: absence. Monomers: absence. Other impurities or residues: absence.</p>
(XI) VOC content (according to EC regulation)	<p>We confirm that OLIFEEL® TD 7525 TM does not contain any volatile organic compounds.</p>
(XII) Additives	<p>Neutralisers: no. Preservatives: no. Antioxidants: no. Stabilisers: no. Catalysts: no. Bleaching agents: no. Chelating agents: no. Ethanol: no</p>
(XIII) Ingredients origin	<p><u>Synthetic</u>: no. Ingredients origin: NA</p> <p><u>Animal</u>: no Animal Protection (338/97): NA <u>Vegetable</u>: yes. Plant name: Olea Europaea (100% from olive oil) Extraction Process: Distillation</p>



	<p>Plant protection (338/97): NA Palm oil and its derivatives: absent GMO: We herewith declare that the raw materials and processing aids used in the production of Olifeel Pearls do not contain or consist of GMO's and they are not produced from GMO's.</p> <p><u>Mineral</u>: no.</p> <p><u>Biotechnological processing</u>: no.</p> <p><u>Polymer</u>: no. Monomers: NA. Monomers origin: NA Monomers CMR or vPvB: NA.</p>
(XIV) Halal/Kosher	<p>OLIFEEL TD 7525 TM is not certified Halal/Kosher. We confirm that the product:</p> <ul style="list-style-type: none">- does not contain any substance of animal origin neither these substances are used during manufacturing process.- does not contain alcohol neither the alcohol is used during the manufacturing process.- Is completely separated from any substance of animal origin and/or containing alcohol during the manufacturing process, as well as in the warehouse.
(XV) Quality management system	ISO 9001
(XVI) Environmental management system	In process.

PRODUCT INFORMATION

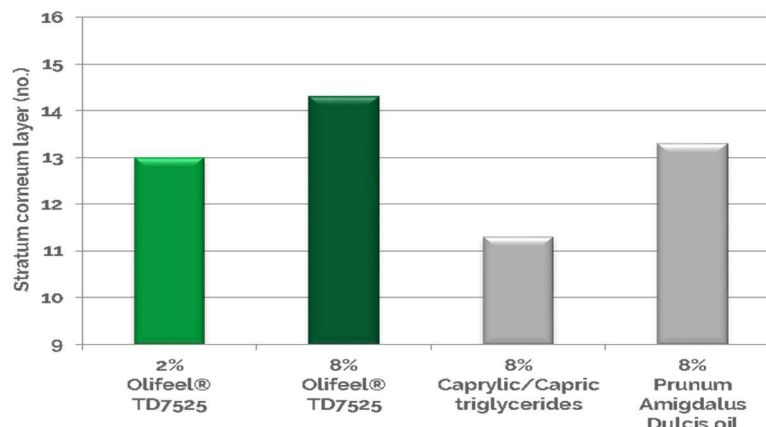
(XVII) Properties	<p>About 94-96% of olive oil is made of triglycerides. The remaining part is constituted by ca.5% of di- and mono-glycerides, and ca. 1.5% by the unsaponifiable fraction (i.e., the non-ester fraction). Although olive triglycerides have desirable features such as emollient and solubilizing properties, as well as high skin compatibility and adsorption, the use of olive oil as such in formulations is often limited by odour, colour, and greasy touch. In the attempt to purify olive oil and eliminate such unwanted characteristics, Brasca R&D has developed a proprietary patented technology, with excellent results.</p> <p>The first product deriving from this technology is OLIFEEL® TD 7525 TM, a highly purified fraction of olive oil, composed by 75% tri-glycerides and 25% di-glycerides with an unsaponifiable content significantly lower than starting olive oil (max 200 ppm). OLIFEEL® TD 7525 TM is odourless and colourless, has no volatile components and it has a pleasant, non-greasy, silky touch. It is quickly absorbed by the skin, without leaving any residue or greasy after-feel: its high polarity enhances its co-emulsifying ability. Furthermore, OLIFEEL® TD 7525 TM is stable against oxidation (degradation and yellowing), prevented by the natural polyphenols content.</p> <p>Its unique features also allow to use OLIFEEL® TD 7525 TM as a carrying vector for active ingredients, both hydrophilic and lipophilic, to increase their affinity respectively to the skin and to the emulsion.</p> <p>In-vitro test: Evaluation of the permeation capacity of hyaluronic acid sodium salt trapped in a matrix of synergy of olive glycerides through a reconstructed human epidermis model: up to 33.7% than hyaluronic acid sodium salt in water</p>
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In-vivo test:

Evaluation of the efficacy of Olifeel® TD7525 TM to enhance the skin absorption of the emulsion by means of the skin stripping technique:

- up to +26,5% than Caprylic/Capric triglycerides
- up to +7,5% than Almond oil



OLIFEEL® TD 7525 TM is substantially free of water, having absent microbiological risk.

OLIFEEL® TD 7525 TM is produced via a purification process of fractions of olive oil rich in di-glycerides, which have already exited the food sector (production chain). Hence, Brasca technology exploits the most effective fractions from an economic standpoint, adds value to food chain co-products and does not compete for food or land: a real Sustainable product in all its 3E pillars: Environmental, Economical, Ethical-Social.



(XVIII) Manufacturing flow chart	<pre>graph TD; A[OLIVE FRUIT OIL Non edible fraction] --> B[DISTILLATION]; B --> C[PURE FATTY ACIDS]; C --> D[Vacuum, High temperature, Natural olive oil glycerin]; D --> E[ESTERIFICATION]; E --> F[OLIFEEL® TD 7525 TM];</pre>
(XIX) Specification	SDS available.
(XX) Material safety data sheet	MSDS available.
(XXI) Personal Care Applications	OLIFEEL® TD 7525 TM retains the emollient and skin affinity properties of olive triglycerides. However, the different tri/di glycerides ratio (75/25) imparts to the material a higher polarity, which allows the formulator to modulate the solubility in the emulsion. Thanks to this increased polarity, and the total absence of side products such as waxes and other insoluble components, OLIFEEL® TD 7525 TM shows an exceptional flexibility and ease of formulation.
(XXII) Formulation	Brasca has used OLIFEEL® TD 7525 TM in different formulation for personal care applications. Please visit our web site www.brasca.it .
(XXIII) Efficacy test	OLIFEEL® TD 7525 TM has proved to be NOT COMEDOGENIC (Clinical test of the evaluation of the comedogenic potential of the undiluted product, full report available on demand).
(XXIV) Storage and handling	Store in the original sealed containers, in a fresh (25°C max.) and dry place, protected from light and heat sources. Material do not need homogenisation before use. Stability: stable material.
(XXV) Shelf Life	12 months from the production date, in the original sealed containers.

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