

PHYTO-SILICONE

Product Master Reference No. 1804

INCI: Undecane, Tridecane, Hydrogenated Olive Oil Unsaponifiables, Coco-Caprylate/Caprate.

SHORT DESCRIPTION

Cosmetic ingredient, raw material for manufacturing of personal care products.

Vegetable Alternative to Highly Volatile Silicone.

Naturally derived from Renewable Sources, Biodegradable, Non polar emollient, High spreadability, Dry feel.

COMPOSITION

INCI name	CAS No.	Origin	Percentage %
Undecane	1120-21-4	Vegetal	50 - 60
Tridecane	629-50-5	Vegetal	20 - 30
Hydrogenated Olive Oil			
Unsaponifiables	111-01-3	Vegetal	1 - 10
Coco-caprylate/Caprate	95912-86-0	Vegetal	1 - 10

Origin of the product: RSP0 palm (*Elaeis guineensis*), coconut (*Cocos nucifera*) and olive oil (*Olea europaea*).

PARAMETERS

Appearance at 20°C:	Clear liquid, almost colorless
Odor:	Almost odorless
Acid value (mg KOH/g):	Max 1
Iodine value (gI ₂ /100g):	Max 3
Saponification value (mg KOH/g):	Max 20
Refractive index, 20°C:	1.410 - 1.450
Density, 20°C (g/mL):	0.740 - 0.760
Flash point° C:	81
Viscosity, 25° C (mPa·s):	1.40
Surface tension (mN/m):	26.1
Heavy metals in sum (as Pb):	Max. 10 ppm

NATURAL / ORGANIC LABEL

This product complies with the COSMOS standard for Natural and Organic Cosmetics, in accordance with the latest version, Cosmos approved at manufacturer, but it is not certified.

MICROBIOLOGY

The product conforms to the following microbiological specification:

Total Plate Count: ≤ 100 cfu/g

Total Yeast & Mold Count: ≤ 100 cfu/g

Pathogens: absent/g (Enterobacteria, Pseudomonas, Enterococci, Candida albicans, Staphylococci)

ALLERGENS

The product does not include cosmetic allergens as listed in the Commission Regulation (EU) 2023/1545.

Product is free from substances listed in Annex III of last consolidated version of Regulation (EC) 1223/2009.

ANIMAL TESTING

We hereby declare that we are against Animal testing for cosmetic purpose and confirm that we have not conducted any animal tests with this product, nor that we have ordered such tests at third parties or third parties have conducted such tests with our knowledge and acceptance to fulfil the requirements of Cosmetic Regulation (EC) No 1223/2009.

BSE/TSE

Product is pure vegetable origin and does not come into contact with animal substances during its production, storage and transport, so we can exclude any cross contamination with TSE/BSE.

CMR SUBSTANCES

The product does not contain intentionally added materials classified as carcinogenic, mutagenic or reprotoxic, according to Regulation (EC) 1223/2009. Unavoidable trace levels may be present according to Regulation (EC) No. 1223/2009 of category 1A, 1B, or 2 according to Regulation (EC) No. 1272/2008.

GLUTEN STATUS

To the best of our knowledge, regarding the manufacturing process and information provided by our suppliers, this product is not expected to contain traces of gluten.

GMO STATUS

Product is not GMO, does not contain GMO or GMO derived components, and is not produced from GMO.

HEAVY METALS

Heavy metal content if is not analyzed on this product and specified separately, according to the raw materials used and the production process, the eventual presence of total heavy metals in this product would be technically unavoidable and lower than ≤ 10 ppm (antimony, arsenic, lead, cadmium, mercury).

IRRADIATION

The product has not been treated with ionising radiation, and is free of radioactive substances in accordance with last consolidated version of Regulation (EC) 1223/2009.

ISO 16128

According to the guidelines on definitions for natural and organic cosmetic ingredients, we can state regarding the information provided by our suppliers or our manufacturing process, the following information for our product:
Natural origin content = 100%

MICROPLASTICS

Microplastics have not been intentionally added to this product, and we do not have knowledge of any microplastics being present in any step of the manufacturing process. The material is therefore in compliance with Commission Regulation (EU) 1907/2006, including the amendments introduced with Commission Regulation (EU) 2023/2055.

NANOMATERIALS

No nanomaterials were used or added during production, in compliance with the latest consolidated version of

Regulation (EC) 1223/2009. Additionally, the product does not meet the criteria for classification as a nanomaterial, as defined in C (2022) 3689.

PESTICIDES

Based on our actual knowledge of our production process, raw material and equipment used, product is expected to conform with the European Pharmacopoeia limits regarding pesticides residues.

PHTALATES

No Phthalates or other CMR substances were used or added in the course of production, in accordance with Article 15 of last consolidated version of Regulation (EC) 1223/2009 and last consolidation version of Regulation (EC) 1272/2008. The product does not contain Parabens, BHA nor BHT.

REGULATORY COMPLIANCE

The product complies with the European Cosmetic Directive (Regulation (EU) No. 1223/2009). It is not included in the list of substances prohibited in cosmetic products. Neither does it contain restricted preservatives, colorants or UV filters (Annex II - VI of EU Regulation 1223/2009).

Does not contain Ethanol, Methanol nor Formaldehyde. Complies with Regulation (EU) 2023/915 for vegetable oils.

RESIDUAL SOLVENTS

Based on our current knowledge of the production process, raw materials and equipment used, no solvent is used in the manufacturing process or, if used, is removed in a final step of the manufacturing process, otherwise, it is specified in the "Parameters" section, According to Directive 2009/32/EC.

SVHC

No ingredients are intentionally present appearing (at time of writing) on Annex XIV or on the Candidate List of Substances of Very High Concern for Authorisation in the framework of REACH (Regulation (EC) No 1907/2006). Furthermore, considering the nature of this product and the manufacturing process, the presence of an impurity appearing on the aforementioned Annex XIV or Candidate List is not expected in a concentration of 0.1 % or greater.

VEGAN/VEGETARIAN STATEMENT

To the best of our knowledge, neither the product nor the constituents or components used in the manufacture of the product contain any material, which is derived from animal origin. From this, we conclude that the product is suitable for vegan cosmetics.

STORAGE, SHELF LIFE

Store in the air-tight sealed containers protected from direct sunlight, moisture and heat at ambient temperature. Brief deviation from the storage temperature e.g. during transport does not impair product quality. Shelf life min 24 months in unopened container and when stored under proper conditions, batch validation is recommended to be carried out after 12 months.

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