

RAW MATERIAL DATA SHEET
ABWAX CANDELILLA SC

PRODUCT IDENTIFICATION

(I) Supplier name	ROELMI HPC SRL Legal office: Corso Europa, 60 - 20020 Solaro (MI) Italy T. +39 02 3351 0150 F. +39 02 3354 9210		
(II) EU/US INCI name	EU INCI name	US INCI name	
	HELIANTHUS ANNUUS SEED CERA	HELIANTHUS ANNUUS (SUNFLOWER) SEED WAX	
	SYNTHETIC WAX	SYNTHETIC WAX	
(III) Regulatory information	Empirical Formula: N.A. Chemical name: N.A.		
	Common name	CAS n.	EC n.
	HELIANTHUS ANNUUS (SUNFLOWER) SEED WAX	68937-99-5 / 1286686-34-7	232-273-9 / -
	SYNTHETIC WAX	8002-74-2	232-315-6
	US and European Pharmacopoeia: Not applicable		
Classification & labelling according to EU Chemical regulation: this product is not subjected to labelling as it is not a dangerous substance (regulation 1272/2008). See MSDS			
Transport: not regulated.			
Tariff code: 34049000			
(IV) Functions	Binding, emollient, emulsion, viscosity controlling		
(V) Geographical origin	Produced in Italy		

REGULATORY STATUS

(VI) Chemical Inventory position	Component(s) listed in European inventory: yes *. Component(s) listed in TSCA (US): yes *. Component(s) listed in Canadian inventory: yes (Sunflower wax in NDSL, Synthetic wax in DSL) Component(s) listed in AICS (Australia): yes (Synthetic wax), sunflower wax is exempted as is from natural origin. Component(s) listed in ENCS (Japan): yes *. Component(s) listed in IECSC (China): yes (Synthetic wax), sunflower wax is exempted as is from natural origin Component(s) listed in KECL (Korea): yes * * <u>Note: Sunflower wax was found with CAS 68937-99-5</u>
(VII) Cosmetic Regulatory Status	No restriction or limitation for personal care applications. Canadian cosmetic ingredient hotlist: not listed Listed in China cosmetic inventory (IECIC): yes (HELIANTHUS ANNUUS (SUNFLOWER) SEED WAX, SYNTHETIC WAX)

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<p>(VIII) Cosmetic Regulatory Conformity</p>	<p><u>CMR</u>: ABWAX CANDELILLA SC does not contain any substances intentionally added and classified as Carcinogenic, Mutagenic or Reprotoxic substances</p> <p><u>Allergens</u>: We certify that ABWAX CANDELILLA SC 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.</p> <p><u>TSE/BSE</u>: We confirm that ABWAX CANDELILLA SC does not contain any components of animal origin, therefore is free from any BSE/TSE.</p> <p><u>Animal testing</u>: We declare that no animal testing was made by Roelmi HPC & C. srl for cosmetic use accordingly to Regulation (EC) 1223/2009.</p> <p><u>Ionization</u>: the product is not subjected to ionization process</p> <p><u>REACH</u>: ABWAX CANDELILLA LP is a mix of components with the following status:</p> <table border="1" data-bbox="387 813 1420 992"> <thead> <tr> <th>COMPONENT</th> <th>EC n.</th> <th>CAS n.</th> <th>status</th> </tr> </thead> <tbody> <tr> <td>SUNFLOWER WAX</td> <td>232-273-9 / -</td> <td>68937-99-5 / 1286686-34-7*</td> <td>exempted as substance of natural origin not chemically modified (former Annex V of regulation 1907/2006, modified by Annex II of the Reg. 987/2008/EC)</td> </tr> <tr> <td>SYNTHETIC WAX</td> <td>232-315-6</td> <td>8002-74-2</td> <td>registered (01-2119488075-32-xxxx)</td> </tr> </tbody> </table>	COMPONENT	EC n.	CAS n.	status	SUNFLOWER WAX	232-273-9 / -	68937-99-5 / 1286686-34-7*	exempted as substance of natural origin not chemically modified (former Annex V of regulation 1907/2006, modified by Annex II of the Reg. 987/2008/EC)	SYNTHETIC WAX	232-315-6	8002-74-2	registered (01-2119488075-32-xxxx)
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<p>(IX) Toxicology Ecotoxicity Biodegradability information</p>	<p><u>Toxicological information (bibliographic data)</u></p> <p><u>Vegetable waxes</u> Ingestion: Non-toxic. Skin Irritation: Non-irritating Eye Irritation: May cause slight irritation</p> <p><u>Synthetic wax</u> Acute Oral Toxicity : Expected to be of low toxicity: LD50 > 5000 mg/kg , Rat Acute Dermal Toxicity : Expected to be of low toxicity: LD50 >2000 mg/kg , Rat Acute Inhalation Toxicity : Not expected to be a hazard. Skin Corrosion/Irritation : Expected to be non-irritating to skin. Serious Eye Damage/Irritation: Expected to be non-irritating to eyes. Respiratory Irritation : Inhalation of vapors or mists may cause irritation to the respiratory system. Respiratory or Skin Sensitization: Not expected to be a sensitizer.</p> <p><u>Ecological & Biodegradability information (bibliographic data: ECHA source)</u> Ecotoxicity: do not introduce the product in sewer or superficial waters. The components are expected to be inherently biodegradable. The product is insoluble in water. It separates for sedimentation. If it enters soil, it will adsorb to soil particles and will not be mobile Expected non to be PBT and vPvB.</p>												
<p>(X) Unavoidable impurities and possible traces of contaminants</p>	<p>SVHC: absence. Heavy metals (randomly analysed with atomic absorption spectrophotometer): As, Cd, Co, Cr, Hg, Ni, Pb, Sb below 1 ppm. Total below 10 ppm Pesticides : absence</p>												

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	<p>GMO: absence. Food allergens (as per Directive 2007/68/C): absence Latex: allergens Residual solvents: absence (not used) Polycyclic Aromatic Hydrocarbons : absence. Free amines : absence. Phthalates: absence. Glycol ethers: absence. Formaldehyde: absence. Ethylene oxide: absence. Nanomaterials: absence. Monomers: absence. Proteins: absence VOC (volatile organic components as per European and Swiss laws): ABWAX CANDELILLA SC does not contain any volatile organic compounds Other impurities or residues : MOSH/MOAH absence <u>Absence</u>: based upon data from our starting material suppliers and knowledge of the manufacturing process, we have no reason to believe that these substances are present.</p>
(XI) Additives	<p>Neutralisers: no. Preservatives: no. Antioxidants: no. Stabilisers: no. Catalysts: no. Bleaching agents: no. Chelating agents: no. Ethanol: no</p>
(XII) Ingredients origin	<p><u>Synthetic</u>: yes (Synthetic wax) Ingredients origin: manufacturing of synthesis gas followed by Fischer Tropsch process, distillation and hydrogenation of wax fractions <u>Animal</u>: no Animal Protection (338/97 or CITES): NA <u>Vegetable</u>: Yes (Sunflower wax) Plant name: <i>Helianthus annuus</i> Extraction Process: extraction and refining of the oil, winterization to let the waxy layer divides from the oil, deoiling, degumming, purification and natural discoloration Plant protection (338/97 or CITES): No GMO: No <u>Mineral</u>: no <u>Petrochemical</u>: no <u>Biotechnological processing</u>: no. <u>Polymer</u>: no.</p>
(XIII) Halal/Kosher	<p>ABWAX CANDELILLA SC is not certified Halal/Kosher. We confirm that the product: - does not contain alcohol neither the alcohol is used during the manufacturing</p>

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	<p>process.</p> <ul style="list-style-type: none"> - does not contain any substance of animal origin neither these substances are used during 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.
(XIV) Vegan/vegetarian	ABWAX CANDELILLA SC is suitable for vegan/vegetarian use

PRODUCT INFORMATION

(XV) Properties	<p>Substitute of natural candellilla wax with no side effects on local agriculture and populations, safe for people and environment, promotion of eco-sustainability, no fluctuations.</p> <p>Remarkable brilliance & gloss, hardness, solidity, strong gelling agent behavior, improvement of oils absorption, formula cohesion, emolliency and film forming.</p> <p><u>MICROBIOLOGICAL STABILITY</u></p> <p>Due to the knowledge of the manufacturing process (performed under high temperature) and of the chemical characterization of the product (absence of free water), ABWAX CANDELILLA SC can be considered exempted from microbiological contamination and possibility of pathogens growth during the time.</p>
(XVI) Manufacturing flow chart	Mix of raw materials in a suitable sequence and under controlled parameters. The mass is then converted into pearls.
(XVII) Specification	SDS available.
XVIII) Material safety data sheet	MSDS available.
(XIX) Personal Care Applications and formulation	See marketing brochure
(XX) Efficacy test	No tested for efficacy
(XXI) Storage and handling	<p>Keep the product in the original container well closed in fresh (below 30° C) and dry place, repaired from humidity, light or heat sources.</p> <p>Stability: stable material.</p>
(XXII) Shelf Life	24 months from the production date, in the original sealed containers.

THE INFORMATION CONTAINED IN THIS RAW MATERIAL DATA SHEET ARE BASED ON OUR CURRENT SCIENTIFIC KNOWLEDGE. THE INFORMATION ARE CAREFUL AND RELIABLE BUT IT SHOULD NOT BE TAKEN AS EXPRESSING OR IMPLYING ANY WARRANTY CONCERNING THE PRODUCT CHARACTERISTICS. THE RULES AND LAWS IN ACT MUST BE RESPECTED BY PRODUCT USER, UNDER HIS OWN RESPONSIBILITY. ROELMI HPC SRL DECLINES ANY RESPONSABILITY IN CASE THE USE OF THIS PRODUCT INFORMATION MIGHT TAKE TO PATENT INFRINGEMENT.

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