

RAW MATERIAL DATA SHEET

ABWAX WHITE BEESWAX PEARLS

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	
	CERA ALBA	BEESWAX	
(III) Regulatory information	Empirical Formula: N.A. Chemical name: N.A.		
	Common name	CAS n.	EC n.
	BEESWAX	8012-89-3	232-383-7
	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: 15219099		
(IV) Functions	Emollient - emulsifying - film forming - perfuming. Texturizing agent for personal care applications		
(V) Geographical origin	Harvest of crude wax: China, Africa, Australia Crude wax purification plant: Europe		

REGULATORY STATUS

(VI) Chemical Inventory position	Component(s) listed in TSCA (US): yes. Component(s) listed in DSL (Canada): yes. Component(s) listed in AICS (Australia): yes. Component(s) listed in IECICS (China): yes Component(s) listed in ENCS (Japan): yes. Component(s) listed in KECL (Korea): yes. Component(s) listed in PICCS (Philippines): yes Component(s) listed in EU inventory: yes Preposition 65 (California): not listed
(VII) Cosmetic Regulatory Status	No restriction or limitation for personal care applications. Canadian cosmetic ingredient hotlist: not listed Component(s) listed in Cosmetic China IECIC: yes.
(VIII) Cosmetic Regulatory Conformity	<u>CMR</u> : ABWAX WHITE BEESWAX PEARLS does not contain any substances intentionally added and classified as Carcinogenic, Mutagenic or Reprotoxic substances <u>Allergens</u> : We certify that ABWAX WHITE BEESWAX PEARLS 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

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	<p>productions and to bibliographic data, it can be stated that these allergens are absent.</p> <p><u>TSE/BSE</u>: We confirm that ABWAX WHITE BEESWAX PEARLS is free from any BSE/TSE transmitting agents as beeswax is excluded from the Regulation 999/2001.</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 WHITE BEESWAX PEARLS complies with the definitions of "Substances which occur in nature" and "Not chemically modified substance" reported in article 3 of the Reg. 1907/2006/EC; the product is exempted from REACH in accordance to Annex II of the Reg. 987/2008/EC.</p>
<p>(IX) Toxicology Ecotoxicity Biodegradability information</p>	<p><u>Toxicological information</u></p> <p><i>Bibliographic data (SOURCES: CIR assessment, JEFCA report)</i></p> <ul style="list-style-type: none"> ▪ Acute oral toxicity: LD50 > 5000 mg/kg ▪ Skin irritation: Non irritant ▪ Mutagenic/carcinogenic: Non mutagenic/carcinogenic ▪ The product has been selling for more than 20 years with no reported adverse cases for human health. <p><u>Ecological & Biodegradability information</u></p> <p>No data available, supposed to be not toxic for the environment</p>
<p>(X) Unavoidable impurities and possible traces of contaminants</p>	<p>SVHC: absence.</p> <p>Heavy metals (randomly analysed with atomic absorption spectrophotometer): As, Cd, Co, Cr, Hg, Ni, Pb, Sb below 1 ppm. Total below 10 ppm</p> <p>Pesticides : not routinely tested, method HPLC-MS with 0.05 ppm as detection limit): Fluvalinate < 3 ppm, Coumaphos < 0.5 ppm, Dichlorvos < 1 ppm, Cypermethrin < 0.2 ppm.</p> <p>Antibiotics (not used, randomly tested, method LC-MS): Chloramphenicol < 0.3 ppb (minimum required performance limits MRPLs prescribed by the EU decision 2003/181 of 13 March 2003)</p> <p>GMO: absence.</p> <p>Food allergens (as per Directive 2007/68/C): absence</p> <p>Latex: allergens</p> <p>Residual solvents: absence (not used)</p> <p>Polycyclic Aromatic Hydrocarbons : absence.</p> <p>Free amines : absence.</p> <p>Phthalates: absence.</p> <p>Glycol ethers: absence.</p> <p>Formaldehyde: absence.</p> <p>Ethylene oxide: absence.</p> <p>Nanomaterials: absence.</p> <p>Monomers: absence.</p>

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	<p>Proteins: absence</p> <p>VOC (volatile organic components as per European and Swiss laws): ABWAX WHITE BEESWAX PEARLS does not contain any volatile organic compounds</p> <p>Other impurities or residues : absence.</p> <p><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.</p> <p>Preservatives: no.</p> <p>Antioxidants: no.</p> <p>Stabilisers: no.</p> <p>Catalysts: no.</p> <p>Bleaching agents: no.</p> <p>Chelating agents: no.</p> <p>Ethanol: no</p>
(XII) Ingredients origin	<p><u>Synthetic</u>: No</p> <p><u>Animal</u>: Yes</p> <p>Animal Protection (Cites): No</p> <p><u>Vegetable</u>: No</p> <p><u>Mineral</u>: no.</p> <p><u>Biotechnological processing</u>: no.</p> <p><u>Polymer</u>: No</p> <p><u>Monomers</u>: No</p>
(XIII) Halal/Kosher	<p>ABWAX WHITE BEESWAX PEARLS is not certified Halal/Kosher.</p> <p>We confirm that the product:</p> <ul style="list-style-type: none"> - does not contain alcohol neither the alcohol is used during the manufacturing process. - does not contain any substance of porcine origin neither these substances are used during manufacturing process. - is completely separated from any substance of porcine origin and/or containing alcohol during the manufacturing process, as well as in the warehouse.
(XIV) Vegan/vegetarian	<p>ABWAX WHITE BEESWAX PEARLS is not suitable for vegan/vegetarian use</p>

PRODUCT INFORMATION

(XV) Properties	<p>Beeswax is soft and flexible, with a light pleasant honey odor. It has emollient and film forming capacities, while controlling the viscosity and thermal stability. Beeswax can easily be emulsified, dispersed or saponified.</p> <p><u>MICROBIOLOGICAL STABILITY</u></p> <p>Due to the knowledge of the manufacturing process (performed under high</p>
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	temperature) and of the chemical characterization of the product (absence of free water), ABWAX WHITE BEESWAX PEARLS can be considered exempted from microbiological contamination and possibility of pathogens growth during the time.
(XVI) Manufacturing flow chart	Beeswax is naturally secreted by working bees (<i>Apis mellifera</i> - <i>Apis mellifica</i>) in order to build the honeycombs in the hive. After separation from honey by centrifugation, beeswax is refined by mild processes using water and filtrations with activated carbons only, removing impurities and pigments, reducing odor, but keeping all the benefits of a naturally occurring, sustainable and renewable material. The solid mass is then processed to convert it 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	Store in well-closed original package at room temperature (<35°C), in cold and dry environment, protected from the light, heat and humidity sources Stability: stable material.
(XXII) Shelf Life	24 months from the production date, in the original sealed containers.

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