

RAW MATERIAL DATA SHEET

ABWAX MICRO MA 84 PEARLS

PRODUCT IDENTIFICATION

(I) Supplier name	ROELMI HPC SRL Legal office: Via Celeste Milani 24/26 – 21040 Origgio (VA)- Italy T. +39 02 3351 0150 F. +39 02 3354 9210		
(II) EU/US INCI name	EU INCI name		US INCI name
	CERA MICROCRISTALLINA		MICROCRYSTALLINE WAX
(III) Regulatory information	Empirical Formula: Not applicable.		
	EU INCI name	US INCI name	CAS n.
	CERA MICROCRISTALLINA	MICROCRYSTALLINE WAX	63231-60-7
	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.		
(IV) Functions	Binding, Emulsion Stabilising, Opacifying, Viscosity Controlling.		
(V) Geographical origin	Produced in Italy		

REGULATORY STATUS

(VI) Chemical Inventory position	Component(s) listed in EINECS (EU): yes. 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 NZIoC (New Zealand): yes. Component(s) listed in IECSC (China): yes Component(s) listed in KECL (Korea): yes. Component(s) listed in PICCS (Philippines): 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>Regulatory Conformity</u> : ABWAX MICRO MA 84 PEARLS is in line with Cosmetics Regulation 1223/2009 and further amendments. Therefore, it does not contain any of restricted or prohibited substances listed in Annex II and Annex III of cosmetics regulation. <u>CMR</u> : ABWAX MICRO MA 84 PEARLS does not contain any substances intentionally added and classified as Carcinogenic, Mutagenic or Reprotoxic substances apart from traces which are technically unavoidable and expected regarding the process <u>Allergens</u> : ABWAX MICRO MA 84 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 productions and to bibliographic

RAW MATERIAL DATA SHEET

ABWAX MICRO MA 84 PEARLS

	<p>data, it can be stated that these allergens are absent.</p> <p><u>TSE/BSE</u>: We confirm that ABWAX MICRO MA 84 PEARLS does not contain any animal raw material, therefore it is free from any BSE/TSE transmitting agents.</p> <p><u>Animal testing</u>: We declare that no animal testing was made by Roelmi HPC S.r.l 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 MICRO MA 84 PEARLS components have been pre-registered and knowing its refining process, is in line with note N of REACH Regulation.</p>
(IX) Toxicology Ecotoxicity Biodegradability information	<p><u>Toxicological information</u>:</p> <p>Acute toxicity (oral, rats): LD 50 > 5.000 mg/ Kg (ECHA), LD 50 > 10.000 mg/ Kg (CIR)</p> <p>Acute skin irritation: LD 50 > 2.000 mg/ Kg.OECD Guideline 402 (Acute Dermal Toxicity)</p> <p>Skin irritation (rabbit, in vivo): non irritant. Prolonged contact with the skin can cause slight irritation</p> <p>Irritation des yeux (rabbit, in vivo): non irritant</p> <p>Sub-chronic toxicity (dermal): NOAEL> 2000 mg/kg (OECD guideline 411)</p> <p>Inhalation: prolonged exposures to smokes, vapors or dusts can eventually cause irritation to the eyes or to the superior respiratory tracks.</p> <p>Skin sensitization (human, in vivo): non sensitizing.</p> <p>Carcinogenicity: non carcinogenic.</p> <p>ADI (Admissible Daily Intake): 20 mg/kg bw/day (Colipa & EFSA).</p> <p>The safety assessment of the product has been based on the data published in the article "Final report on the safety assessment of fossil and synthetic waxes " dated 1984 (source: Cosmetic ingredient review) from which the raw material can be declared safe for the intended use. Another source taken into consideration for the toxicological profile has been ECHA website.</p> <p><u>Ecological & Biodegradability information (bibliographic data: ECHA source)</u></p> <p>Ecotoxicity: don't introduce the product in sewer or superficial waters.</p> <p>Short-term toxicity to fish (OECD Guideline 203): LL50: > 1000 mg/m</p> <p>Short-term toxicity to aquatic (QSAR prediction): LL50: > 1000 mg/ml</p> <p>Long-term toxicity to aquatic (QSAR modelled data on Daphnia magna) : LL50: > 1000 mg/ml</p> <p>Toxicity to aquatic algae and cyanobacteria (OECD Guideline 201 (Alga, Growth Inhibition Test): toxicity to aquatic algae and cyanobacteria</p> <p>Material not readily biodegradable; inherently biodegradable and biodegradable widely in the long-term exposures.</p> <p>The material has the potential to bioaccumulate.</p> <p>Semi-solid under most environmental conditions. Floats on water. If it enters soil, it will adsorb to soil particles and will not be mobile</p> <p>Expected non to be PBT and vPvB.</p>
(X) Unavoidable impurities and possible traces of contaminants	<p>SVHC: absence.</p> <p>Heavy metals: absence.</p> <p>Pesticides: absence.</p>

RAW MATERIAL DATA SHEET

ABWAX MICRO MA 84 PEARLS

	<p>GMO: absence. Food allergens (as per Regulation (EU) No 1169/2011): absence Latex: allergens Residual solvents: absence. Polycyclic Aromatic Hydrocarbons: absence. Free amines: absence. Phthalates: absence. Glycol ethers: absence. Formaldehyde: absence. Ethylene oxide: absence. Sulfur: < 0.4%. Dioxane: absence Nanomaterials: absence. Monomers: absence. Proteins: absence VOC (volatile organic components as per European and Swiss laws): absence Other impurities or residues: 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>: No <u>Animal</u>: no Animal Protection (Cites): NA <u>Vegetable</u>: no Plant name: NA Plant Protection (Cites): NA Palm oil and derives: absence <u>Mineral</u>: yes. <u>Biotechnological processing</u>: no. <u>Polymer</u>: No</p>
(XIII) Halal/Kosher	<p>ABWAX MICRO MA 84 PEARLS is not certified Halal/Kosher. We confirm that the product: - 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</p>

RAW MATERIAL DATA SHEET

ABWAX MICRO MA 84 PEARLS

	<p>manufacturing process.</p> <ul style="list-style-type: none"> - 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 MICRO MA 84 PEARLS is suitable for vegan/vegetarian use

PRODUCT INFORMATION

(XV) Properties	<p>Microcrystalline waxes have a small crystals structure, are odorless, tasteless and flexible. The microcrystalline waxes range allows any possibilities of hardness, plasticity, adhesiveness, brilliance and oil absorption, with melting points from 60 to 120°C. In cosmetic formulations, being effective at low dosage, Microcrystalline waxes improves oils absorption, viscosity control, cohesion, opacity, lubrication, gloss, thermal stability, emolliency and film forming.</p> <p>COMPOSITION: Combination of straight-chain, branched-chain, and cyclic saturated hydrocarbons saturated hydrocarbons.</p> <p><u>Microbial stability</u>: the product is not subjected to microbial contamination and growth due to the manufacturing conditions (temperature higher than 120 °C) and the absence of free water.</p>
(XVI) Manufacturing flow chart	<p>Obtained from a mix of selected microcrystalline waxes, derived from petroleum distillation, crystallization, refining (de-oiling and dewaxing) and hydrogenation.</p> <p>Ionizing treatment: no.</p>
(XVII) Specification	SDS available.
(XVIII) Material safety data sheet	MSDS available.
(XIX) Personal Care Applications and formulation	See marketing brochure
(XX) Efficacy test	Not 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.
(XXII) Shelf Life	24 months from the production date, in closed original package if stored as prescribed above.

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