

RAW MATERIAL DATA SHEET

# SPECIFEEL SOLPLUS

## 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	<b>EU INCI name</b>	<b>US INCI name</b>																	
	TRIDECETH-9	TRIDECETH-9																	
	PEG-40 HYDROGENATED CASTOR OIL	PEG-40 HYDROGENATED CASTOR OIL																	
	POLYSORBATE 20	POLYSORBATE 20																	
(III) Regulatory information	Empirical Formula: N.A. Chemical name: N.A. <table border="1"> <thead> <tr> <th>COMPONENT NAME</th><th>CAS n.</th><th>EC n.</th><th>Range composition %</th></tr> </thead> <tbody> <tr> <td>TRIDECETH-9</td><td>24938-91-8 / 69011-36-5</td><td>607-463-3 / 500-241-6</td><td>≥ 50 ≤ 75</td></tr> <tr> <td>PEG-40 HYDROGENATED CASTOR OIL</td><td>61788-85-0</td><td>-</td><td>≥ 25 ≤ 50</td></tr> <tr> <td>POLYSORBATE 20</td><td>9005-64-5</td><td>-</td><td>≤ 5</td></tr> </tbody> </table> US and European Pharmacopoeia: Not applicable  Classification & labelling according to EU Chemical regulation: this product is subjected to labelling as dangerous mixture (regulation 1272/2008). See MSDS Transport: not regulated.  Tariff code: 34021300			COMPONENT NAME	CAS n.	EC n.	Range composition %	TRIDECETH-9	24938-91-8 / 69011-36-5	607-463-3 / 500-241-6	≥ 50 ≤ 75	PEG-40 HYDROGENATED CASTOR OIL	61788-85-0	-	≥ 25 ≤ 50	POLYSORBATE 20	9005-64-5	-	≤ 5
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(IV) Functions	Solubilizer and o/w emulsifier for cosmetic products.																		
(V) Geographical origin	Produced in Italy																		

## 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 Preposition 65 (California): not listed
(VII) Cosmetic	No restriction or limitation for personal care applications.

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Regulatory Status	Canadian cosmetic ingredient hotlist: not listed Component(s) listed in Cosmetic China IECIC: Yes
(VIII) Cosmetic Regulatory Conformity	<p><u>CMR</u>: SPECIFEEL SOLPLUS does not contain any substances intentionally added and classified as Carcinogenic, Mutagenic or Reprotoxic substances</p> <p><u>Allergens</u>: We certify that SPECIFEEL SOLPLUS 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 SPECIFEEL SOLPLUS 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 &amp; 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>: The product is a mixture of raw materials all exempted from REACH obligations as polymers</p>
(IX) Toxicology Ecotoxicity Biodegradability information	<p><u>Cosmetic safety evaluation</u></p> <p>Has been tested to evaluate its safety profile through two different patch tests on 25 volunteers at 10% of the product diluted in water. On the basis of the results obtained from both clinical tests it can be stated that the product is not irritating for the skin if used at the above mentioned concentrations.</p> <p><u>Ecological &amp; Biodegradability information</u></p> <p>Data not available</p>
(X) Unavoidable impurities and possible traces of contaminants	<p>SVHC: absence.</p> <p>Heavy metals: total amount below 10 ppm</p> <p>Pesticides : absence</p> <p>GMO: absence.</p> <p>Food allergens (as per Directive 2007/68/C): absence</p> <p>Latex: allergens</p> <p>Residual solvents: absence (water 4-6 %)</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: Max 1 ppm</p> <p>Dioxane: Max 10 ppm</p> <p>Nanomaterials: absence.</p> <p>Monomers: absence.</p> <p>Proteins: absence</p> <p>VOC (volatile organic components as per European and Swiss laws ): SPECIFEEL SOLPLUS 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>

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(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>: see polymer</p> <p><u>Animal</u>: no</p> <p>Animal Protection (Cites): NA</p> <p><u>Vegetable</u>: see polymer</p> <p><u>Mineral</u>: no.</p> <p><u>Biotechnological processing</u>: no.</p> <p><u>Polymer</u>: yes (POLISORBATE 20 from synthetic/vegetable sources, PEG-40 HYDROGENATED CASTOR OIL from synthetic/vegetable sources, TRIDECETH-9 from synthetic source)</p> <p><u>Monomers</u>: No</p>
(XIII) Halal/Kosher	<p>SPECIFEEL SOLPLUS is not certified Halal/Kosher.</p> <p>We confirm that the product:</p> <ul style="list-style-type: none"> <li>- does not contain any substance of animal origin neither these substances are used during manufacturing process.</li> <li>- does not contain alcohol neither the alcohol is used during the manufacturing process.</li> <li>- Is completely separated from any substance of animal origin and/or containing alcohol during the manufacturing process, as well as in the warehouse.</li> </ul>
(XIV) Vegan/vegetarian	<p>SPECIFEEL SOLPLUS is suitable for vegan/vegetarian use</p>

## PRODUCT INFORMATION

(XV) Properties	<p>SPECIFEEL® SOLPLUS is an highly efficient solubilizing agent, performing interesting behaviour, that can be summarized as follows:</p> <ul style="list-style-type: none"> <li>- Liquid consistency at room temperature with following easy use in the most kind of cosmetic products.</li> <li>- High solubilizing efficiency towards many lipophilic raw materials commonly used in cosmetic ( fragrances, essential oils and lipophilic active ingredients, natural extracts )</li> <li>- Safe Toxicological Profile</li> <li>- It allows to formulate transparent products free from alcohol</li> <li>- Interfere in the least on the viscosity and foam reduction of toiletries products</li> <li>- Excellent sensorial profile in the final product: low stickyness and low foaming effect .</li> <li>- Low cost impact on the formulation (it generally requires lower percentages of use compared to other common solubilizers).</li> <li>- SPECIFEEL® SolPlus is mainly recommended as a solubilizing agent for fragrances, essential oils and lipophilic ingredients in water-based products. It allows to obtain</li> </ul>
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	<p>completely clear gels, lotions and toiletries products in general. It acts also as a co-emulsifier into O/W emulsions, so to reduce the percentage of the main emulsifier or to grant an improved stability. Specially designed for low viscosity systems. It allows to formulate "micro-emulsions", that can be defined as "hard solubilizations", where the ratio among water, oil and the emulsifier are different from standard solutions.</p> <p><b>APPEARANCE</b> Clear liquid</p> <p><b>TYPICAL USAGE DOSAGE</b> Recommended use dosages: 0,5 – 10%. To prepare in a pre-mix with the substance to be solubilized</p> <p><b>COMPATIBILITY</b> Compatible with the main cosmetic raw materials</p> <p><b>MICROBIOLOGICAL STABILITY</b> The product is considered as microbiologically stable as made up of raw materials with poor possibility of microbial growth and low content of free water.</p>
(XVI) Manufacturing flow chart	Mixing of raw materials in suitable order and conditions.
(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	If the temperature of the product fall under 15°C (for example during the transport), a turbid product can appear. This phenomenon does not cause any alteration of the product. We advise to heat the material at 50°C before use in order to obtain again a limpid solution. once opened keep it at room temperature (below 30°C) in a dry place, protected from light and humidity.
(XXII) Shelf Life	36 months from the production date, in the original sealed containers.

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