

RAW MATERIAL DATA SHEET

SPECIFEEL EM

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	SODIUM LAUROYL SARCOSINATE, SODIUM COCOAMPHOACETATE, LAURYL GLUCOSIDE, SODIUM METHYL COCOYL TAURATE, C12-C13 ALKYL LACTATE																		
(III) Regulatory information	<p>Empirical Formula: / Chemical name: /</p> <table border="1"> <thead> <tr> <th>Substance</th> <th>CAS n°</th> <th>EC n°</th> </tr> </thead> <tbody> <tr> <td>SODIUM LAUROYL SARCOSINATE</td> <td>137-16-6</td> <td>205-281-5</td> </tr> <tr> <td>SODIUM COCOAMPHOACETATE</td> <td>90387-76-1</td> <td>291-352-6/931-291-0</td> </tr> <tr> <td>LAURYL GLUCOSIDE</td> <td>110615-47-9</td> <td>-</td> </tr> <tr> <td>SODIUM METHYL COCOYL TAURATE</td> <td>61791-42-2</td> <td>263-174-9</td> </tr> <tr> <td>C12-C13 ALKYL LACTATE</td> <td>93925-36-1</td> <td>-</td> </tr> </tbody> </table> <p>US and European Pharmacopoeia: Not applicable. Classification & labelling according to European Chemical regulation: This product is considered irritating and must be labelled according to the MSDS prescriptions. Transport: Not regulated; Tariff code: 34021300</p>	Substance	CAS n°	EC n°	SODIUM LAUROYL SARCOSINATE	137-16-6	205-281-5	SODIUM COCOAMPHOACETATE	90387-76-1	291-352-6/931-291-0	LAURYL GLUCOSIDE	110615-47-9	-	SODIUM METHYL COCOYL TAURATE	61791-42-2	263-174-9	C12-C13 ALKYL LACTATE	93925-36-1	-
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(IV) Functions	Concentrated blend of anionic, non-ionic and amphoteric surfactant in water solution for Personal Care products																		
(V) Geographical origin	Produced in Italy																		

REGULATORY STATUS

(VI) Chemical Inventory position	Component(s) listed in:								
	Substance	IECS China	TSCA Usa	NZIoC New Zealand	ENCS Japan	KECI Korea	PICCS Philippines	AICS Australia	DSL Canada
	Sodium Lauroyl Sarcosinate	√	√	√	√	√	√	√	√
	Sodium Cocoamphoacetate	√	-	-	√	-	√	√	-
	Lauryl Glucoside	√	√	√	√	√	√	√	√
	Sodium Methyl Cocoyl Taurate	√	√	√	√	√	√	√	√
C12-C13 Alkyl lactate	√	-	√	-	-	√	√	√	
(VII) Cosmetic Regulatory	No restriction or limitation for personal care applications. Canadian cosmetic ingredient hotlist: not listed								

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SPECIFEEL EM

Status	Component(s) listed in Cosmetic China IECIC: listed
(VIII) Cosmetic Regulatory Conformity	<p><u>CMR</u>: SPECIFEEL EM does not contain any substances intentionally added and classified as Carcinogenic, Mutagenic or Reprotoxic.</p> <p><u>Allergens</u>: We certify that SPECIFEEL EM complies with Regulation (EC) 1223/2009 regarding the presence of the 26 substances identified as allergenic in cosmetics regulatory. 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 EM 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 SRL for cosmetic use accordingly to Regulation (EC) 1223/2009.</p> <p><u>REACH</u>: The product SPECIFEEL EM is a mix of substances registered or pre-registered.</p>
(IX) Toxicology Ecotoxicity Biodegradability information	<p><u>Toxicological information</u>:</p> <p>Material already used in cosmetic formulation: Yes. LD50 (oral rat) > 2000 mg/ Kg (results obtained by literature from similar products) Eye irritation : the Red Blood Cell test was conducted at 1 and 10% in water: SPECIFEEL EM was shown to be slightly irritating at both concentration.</p> <p><u>Sensitization</u>: the Repeated Patch test (a modification of the Shelanski and Shelanski test) was conducted on four formulations containing about 35% of SPECIFEEL EM. All the four formulations obtained the following result: the product is "CLINICALLY TESTED" NON IRRITATING, HYPOALLERGENIC (Low Sensitization)</p> <p><u>Ecological & Biodegradability information</u> Biodegradability (Manometric Respirometry test carried out internally following OECD guideline for testing of chemicals no. 301F): ready biodegradable.</p> <p><u>Ecotoxic effects</u> No ecological problems are to be expected when the product is handled and used with due care and attention. Disposal indications: Recover if possible. In so doing, comply with the local and national regulations currently in force.</p>
(X) Unavoidable impurities and possible traces of contaminants	<p>Heavy metals (ppm): randomly analysed with atomic absorption spectrophotometer: Nickel-Lead-Chromium-Arsenic-Cobalt-Mercury-Cadmium-Antimony ≤ 1 ppm. Total amount below 10 ppm. SVHC: absence. Pesticides: absence. GMO: absence. Fruits and nuts traces: absence. Residual solvents: absence. Polycyclic Aromatic Hydrocarbons: absence. Free amines: absence. Phthalates: absence. Glycol ethers: absence. Formaldehyde: absence.</p>

RAW MATERIAL DATA SHEET

SPECIFEEL EM

	<p>Ethylene oxide: absence. Dioxane : absence. Nanomaterials: absence. Monomers: absence. Latex: absence. Gluten: absence. VOC content: SPECIFEEL EM does not contain any volatile organic compounds. Food allergens: absence. Other impurities or residues: free fatty alcohols \leq 0,2%, sodium glycolate \leq 0,2%, Sodium laurate \leq 0,65%, sodium monochloroacetate $<$ 5 ppm: peroxides \leq 3 meqO2/kg Absence: 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 at analytical detectable level.</p>																				
(XI) Additives	<p>Neutralisers: Absence. Preservatives: Absence. Antioxidants: Absence. Stabilisers: Absence. Bleaching agents: Absence. Chelating agents: Absence. Ethanol: Absence.</p>																				
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	AQUA	WATER	NATURAL (MINERAL). Water is included in the raw materials (surfactants in water solutions) and not added during the process.
	<p>Animal: No</p> <p>Mineral: No</p> <p>Biotechnological processing: No</p> <p>Polymer: No</p> <p>Monomers: Not applicable</p> <p>Monomers origin:</p> <p>Monomers CMR or vPvB:</p>		
(XIII) Halal/Kosher	<p>SPECIFEEL EM is not certified Halal/Kosher.</p> <p>We confirm that the product:</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	SIMAGEL 1400 VS is suitable for vegan/vegetarian use		

PRODUCT INFORMATION

(XV) Properties	<p>The SPECIFEEL® EM provides :</p> <ul style="list-style-type: none"> ✓ Easiness to use ✓ Mildness ✓ Creamy, soft and rich foam ✓ Interesting skin feel after rinse-off <p>It is cost effective (cold process, reduced warehousing costs)</p>
(XVI) Manufacturing flow chart	<pre> graph TD A[PRE-MELTING OF SODIUM LAUROYL SARCOSINATE & SODIUM METHYL COCOYL TAURATE] --> B[LOADING OF SODIUM LAUROYL SARCOSINATE & SODIUM METHYL COCOYL TAURATE INSIDE THE VESSEL AT 45 °C UNDER AGITATION] B --> C[STIRRING UNTIL THE MIX IS CLEAR] C --> D[ADDING OF LAURYL GLUCOSIDE, SODIUM COCOAMPHOACETATE & C12-C13 ALKYL LACTATE UNDER AGITATION] D --> E[STIRRING UNTIL THE MIX IS CLEAR] E --> F[QC BULK RELEASE] F --> G[PACKAGING & LABELLING] </pre>
(XVII) Specification	SDS available.

RAW MATERIAL DATA SHEET

SPECIFEEL EM

XVIII) Material safety data sheet	MSDS available.
(XIX) Personal Care Applications and formulation	<p>Recommended use level : 25 - 45 %</p> <ul style="list-style-type: none"> ✓ Baby product: It can be suitable for a mild complete cleansing ✓ Shower gels and foam baths : for a gentle and smooth cleansing ✓ Mild shampoos: due to its mildness it can reduce hair cuticle damages, forms a lather and leaves the hair manageable and smooth. ✓ Hand cleansers: recommended for professional when a particular mildness is required for hand cleansing (very sensitive skins, repeated washing) ✓ Oil based toiletries: shampoos and shower gels with high oil content (up to 30%) with a creamy texture. ✓ Intimate wash: suitable for a delicate cleansing action <p>Used at lower percentages (1-2%), it could be inserted into cleansing lotions and micellar waters, for a gentle make-up removing action.</p>
(XX) Efficacy test	No efficacy test was carried out on the product.
(XXI) Storage and handling	<p>Store in the original well-closed containers, at room temperature (20-30°C) in a dry place, repaired from light and humidity. Avoid contact with air.</p> <p>Material does not need homogenisation before use.</p> <p>Stability: stable material. A slight increase of viscosity during the time, due to the intrinsic nature of the components and the interaction between them, is to be considered as a normal phenomenon without affecting the quality, efficacy and safety of the product itself and the products containing it.</p>
(XXII) Shelf Life	18 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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