



RAW MATERIAL DATA SHEET

SPECIFEEL EM

PRODUCT IDENTIFICATION

| (I) Supplier name | ROELMI HPC SRL Legal and operative 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 | <table border="1"> <thead> <tr> <th data-bbox="311 705 702 750">EU INCI name</th> <th data-bbox="702 705 1045 750">US INCI name</th> </tr> </thead> <tbody> <tr> <td data-bbox="311 750 702 817">SODIUM LAUROYL SARCOSINATE</td> <td data-bbox="702 750 1045 817">SODIUM LAUROYL SARCOSINATE</td> </tr> <tr> <td data-bbox="311 817 702 884">SODIUM COCOAMPHOACETATE</td> <td data-bbox="702 817 1045 884">SODIUM COCOAMPHOACETATE</td> </tr> <tr> <td data-bbox="311 884 702 929">LAURYL GLUCOSIDE</td> <td data-bbox="702 884 1045 929">LAURYL GLUCOSIDE</td> </tr> <tr> <td data-bbox="311 929 702 996">SODIUM METHYL COCOYL TAURATE</td> <td data-bbox="702 929 1045 996">SODIUM METHYL COCOYL TAURATE</td> </tr> <tr> <td data-bbox="311 996 702 1052">C12-13 ALKYL LACTATE</td> <td data-bbox="702 996 1045 1052">C12-13 ALKYL LACTATE</td> </tr> </tbody> </table> | | | EU INCI name | US INCI name | SODIUM LAUROYL SARCOSINATE | SODIUM LAUROYL SARCOSINATE | SODIUM COCOAMPHOACETATE | SODIUM COCOAMPHOACETATE | LAURYL GLUCOSIDE | LAURYL GLUCOSIDE | SODIUM METHYL COCOYL TAURATE | SODIUM METHYL COCOYL TAURATE | C12-13 ALKYL LACTATE | C12-13 ALKYL LACTATE | | | | | | | | | | | | |
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| SODIUM COCOAMPHOACETATE | SODIUM COCOAMPHOACETATE | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LAURYL GLUCOSIDE | LAURYL GLUCOSIDE | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SODIUM METHYL COCOYL TAURATE | SODIUM METHYL COCOYL TAURATE | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C12-13 ALKYL LACTATE | C12-13 ALKYL LACTATE | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (III) Regulatory information | <p data-bbox="311 1064 558 1097">Empirical Formula: /</p> <p data-bbox="311 1097 558 1131">Chemical name: /</p> <table border="1" data-bbox="311 1131 1388 1635"> <thead> <tr> <th data-bbox="311 1131 734 1265">Substance</th> <th data-bbox="734 1131 965 1265">CAS n°</th> <th data-bbox="965 1131 1157 1265">EC n°</th> <th data-bbox="1157 1131 1388 1265">Composition range % (on dry basis)</th> </tr> </thead> <tbody> <tr> <td data-bbox="311 1265 734 1377">SODIUM LAUROYL SARCOSINATE</td> <td data-bbox="734 1265 965 1377">137-16-6</td> <td data-bbox="965 1265 1157 1377">205-281-5</td> <td data-bbox="1157 1265 1388 1377">> 10 ≤ 25</td> </tr> <tr> <td data-bbox="311 1377 734 1467">SODIUM COCOAMPHOACETATE</td> <td data-bbox="734 1377 965 1467">90387-76-1</td> <td data-bbox="965 1377 1157 1467">291-352-6 / 931-291-0</td> <td data-bbox="1157 1377 1388 1467">> 5 ≤ 10</td> </tr> <tr> <td data-bbox="311 1467 734 1512">LAURYL GLUCOSIDE</td> <td data-bbox="734 1467 965 1512">110615-47-9</td> <td data-bbox="965 1467 1157 1512">600-975-8</td> <td data-bbox="1157 1467 1388 1512">> 5 ≤ 10</td> </tr> <tr> <td data-bbox="311 1512 734 1601">SODIUM METHYL COCOYL TAURATE</td> <td data-bbox="734 1512 965 1601">61791-42-2</td> <td data-bbox="965 1512 1157 1601">263-174-9</td> <td data-bbox="1157 1512 1388 1601">> 5 ≤ 10</td> </tr> <tr> <td data-bbox="311 1601 734 1635">C12-13 ALKYL LACTATE</td> <td data-bbox="734 1601 965 1635">1471312-26-1</td> <td data-bbox="965 1601 1157 1635">939-514-3</td> <td data-bbox="1157 1601 1388 1635">≤ 1</td> </tr> </tbody> </table> <p data-bbox="311 1668 1388 1780">Water is included in the raw materials (surfactants in water solutions) and not added during the process. The water content can be calculated from solids value in SDS (approx. 60 %- 66 %)</p> <p data-bbox="311 1814 1388 1960">US and European Pharmacopoeia: Not applicable. Classification & labelling according to European Chemical regulation: This product is considered dangerous and must be labelled according to the MSDS prescriptions.</p> | | | Substance | CAS n° | EC n° | Composition range % (on dry basis) | SODIUM LAUROYL SARCOSINATE | 137-16-6 | 205-281-5 | > 10 ≤ 25 | SODIUM COCOAMPHOACETATE | 90387-76-1 | 291-352-6 / 931-291-0 | > 5 ≤ 10 | LAURYL GLUCOSIDE | 110615-47-9 | 600-975-8 | > 5 ≤ 10 | SODIUM METHYL COCOYL TAURATE | 61791-42-2 | 263-174-9 | > 5 ≤ 10 | C12-13 ALKYL LACTATE | 1471312-26-1 | 939-514-3 | ≤ 1 |
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| | Transport: not regulated Tariff code: 34021190 |
| (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 | IECSC China | TSCA Usa | NZIoC New Zealand | ENCS Japan | KECI Korea | PICCS Philip pines | AICS Australia | DSL Canada |
| | Sodium Lauroyl Sarcosinate | √ | √ | √ | √ | √ | √ | √ | √ |
| | Sodium Cocoamphoacetate | √ | - | - | √ | - | √ | √ | - |
| | Lauryl Glucoside | √ | √ | √ | √ | √ | √ | √ | √ |
| | Sodium Methyl Cocoyl Taurate | √ | √ | √ | √ | √ | √ | √ | √ |
| | C12-13 Alkyl lactate* | - | - | - | - | - | - | - | - |
| *searched with the CAS: 1471312-26-1 | | | | | | | | | |
| (VII) Cosmetic Regulatory Status | <p>No restrictions in UE. Other countries: SPECIFEEL EM is accepted in most other legislative areas, please refer to your local legislation of interest. Canadian cosmetic ingredient hotlist: not listed Component(s) listed in Cosmetic China IECIC: listed (all components)</p> | | | | | | | | |
| (VIII) Cosmetic Regulatory Conformity | <p><u>Regulatory Conformity:</u> SPECIFEEL EM is in line with Cosmetics Regulation 1223/2009 and further amendments. It does not contain any of restricted or prohibited substances listed in Annex II and Annex III of cosmetics regulation. <u>CMR:</u> SPECIFEEL EM does not contain any substances intentionally added and classified as Carcinogenic, Mutagenic or Reprotoxic. <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</p> | | | | | | | | |





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| | <p>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>Ionization</u>: the product is not subjected to ionization process</p> <p><u>REACH</u>: The product SPECIFEEL EM is a mixture. The components are compliant with the Reg. 1907/2006 and the relative Reach status is the following:</p> <ul style="list-style-type: none"> • SODIUM LAUROYL SARCOSINATE (CAS n°: 137-16-6): exempted from REACH registration according to the ARTICLE 6 PARAGRAPH 1 (produced/imported <1 TONN/YEAR) • SODIUM COCOAMPHOACETATE (EC n°: 931-291-0): registration n° is 01-2119487973-19-XXXX • LAURYL GLUCOSIDE (CAS n° : 110615-47-9): registration n° is 01-2119489418-23-XXXX • SODIUM METHYL COCOYL TAURATE (CAS n°: 61791-42-2): registration n° is 01-2119976339-21-XXXX • C12-13 ALKYL LACTATE (EC n°: 939-514-3): registration n° is 01-2119972339-25-XXXX |
| <p>(IX) Toxicology Ecotoxicity Biodegradability information</p> | <p><u>Toxicological information</u>:</p> <p><u>Eye irritation</u>: 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></p> <p>Biodegradability (Manometric Respirometry test carried out internally following OECD guideline for testing of chemicals no. 301F): ready biodegradable.</p> <p><u>Ecotoxic effects</u></p> <p>No ecological problems are to be expected when the product is handled and used with due care and attention.</p> <p>Disposal indications: Recover if possible. In so doing, comply with the local and national regulations currently in force.</p> |
| <p>(X) Unavoidable impurities and possible traces of contaminants</p> | <p>SVHC (as per REACH definition): absence.</p> <p>Heavy metals (ppm): randomly analysed with atomic absorption spectrophotometer: Nickel-Lead-Chromium-Arsenic-Cobalt-Mercury-Cadmium-Antimony ≤ 1 ppm.</p> <p>Total amount below 10 ppm.</p> |



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| | <p>Pesticides: absence. GMO: absence. Food allergens (as per Regulation (EC) no. 1169/2011): absence Fruits and nuts traces: absence. Residual solvents: absence. Polycyclic Aromatic Hydrocarbons: absence. Free amines: absence. Phthalates: absence. Glycol ethers: absence. Formaldehyde: absence. Ethylene oxide: absence. Dioxane: absence. Nanomaterials: absence. Monomers: absence. Latex: absence. Gluten: absence (no starting materials containing food allergens or gluten are used in the product) VOC (volatile organic components as per European and Swiss laws): SPECIFEEL EM does not contain any volatile organic compounds. Other impurities or residues: free fatty alcohols ≤ 0,2%, sodium glycolate ≤ 0,2%, Sodium laurate ≤ 0,65%, sodium monochloroacetate < 5 ppm; peroxides (as per Ph.Eur.2.5.5) ≤ 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 (following annex V of Regulation (EC) NO. 1223/2009): Absence. Antioxidants: Absence. Stabilisers: Absence. Bleaching agents: Absence. Chelating agents: Absence. Ethanol: Absence.</p> | | | | | | |
| (XII) Ingredients origin | <table border="1"> <thead> <tr> <th data-bbox="304 1675 603 1715">Component</th> <th data-bbox="603 1675 1396 1715">ORIGIN/PROCESS</th> </tr> </thead> <tbody> <tr> <td data-bbox="304 1715 603 1883">SODIUM LAUROYL SARCOSINATE</td> <td data-bbox="603 1715 1396 1883">NATURALLY DERIVED/CHEMICAL SYNTHESIS The Sodium salt of the condensation product of lauric acid chlorides and sarcosine (synthetic sarcosine is obtained by the reaction of methylamine with monochloroacetic acid). Lauric acid comes from palm oil</td> </tr> <tr> <td data-bbox="304 1883 603 1993">SODIUM COCOAMPHO</td> <td data-bbox="603 1883 1396 1993">NATURALLY DERIVED/CHEMICAL SYNTHESIS Reaction products of 1H-Imidazole-1-ethanol, 4,5-dihydro-, 2-(C7-C17 odd numbered, C17-unsatd. alkyl) derivs. and sodium hydroxide and chloroacetic</td> </tr> </tbody> </table> | Component | ORIGIN/PROCESS | SODIUM LAUROYL SARCOSINATE | NATURALLY DERIVED/CHEMICAL SYNTHESIS The Sodium salt of the condensation product of lauric acid chlorides and sarcosine (synthetic sarcosine is obtained by the reaction of methylamine with monochloroacetic acid). Lauric acid comes from palm oil | SODIUM COCOAMPHO | NATURALLY DERIVED/CHEMICAL SYNTHESIS Reaction products of 1H-Imidazole-1-ethanol, 4,5-dihydro-, 2-(C7-C17 odd numbered, C17-unsatd. alkyl) derivs. and sodium hydroxide and chloroacetic |
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| ACETATE | <i>acid is a complex and variable substance consisting mainly of a surfactant part (group of alkyl derivates) derived from coconut oil and sodium chloride</i> |
| LAURYL GLUCOSIDE | <i>NATURALLY DERIVED acetylation of glucose with fatty alcohol coming from coconut and palm kernel oil</i> |
| SODIUM METHYL COCOYL TAURATE | <i>NATURALLY DERIVED/CHEMICAL SYNTHESIS syntehtic pathway involving Sodium Isethionate (synthetic) and NMethyltaurin (synthetic) and fatty acids either from palm kernel or coconut oil.</i> |
| C12-13 ALKYL LACTATE | <i>CHEMICAL SYNTHESIS</i> |
| WATER | <i>NATURAL (MINERAL). Water is included in the raw materials (surfactants in water solutions) and not added during the process.</i> |

Plant protection (CITES): No

GMO: We herewith declare that the raw materials and processing aids used in the production of SPECIFEEL EM do not contain or consist of GMO's and they are not produced from GMO's.

Animal: No

Animal Protection (CITES): Not applicable

Nagoya protocol: not applicable

Biotechnological processing: No

Polymer: No

Monomers: Not applicable

(XIII) Halal/Kosher

SPECIFEEL EM 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.
- Is completely separated from any substance of animal origin and/or containing alcohol during the manufacturing process, as well as in the warehouse.

Roelmi HPC will communicate any Certifications obtained.

(XIV)
Vegan/vegetarian

SPECIFEEL EM is suitable for vegan/vegetarian use

PRODUCT INFORMATION

ROELMI HPC srl

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REA: VA-361664

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Capitale sociale Euro 120.000 i.v.

info@roelmihpc.com
www.roelmihpc.com





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| (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. |
| (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. |



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| | <p>✓ Intimate wash: suitable for a delicate cleansing action 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. Material does not need homogenisation before use. 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 |

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