



## Material Safety Data Sheet

EU Regulation: 1907/2006

### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

|                                                         |  |                                                                                                                                  |        |                   |                                                 |
|---------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------------------------------|--------|-------------------|-------------------------------------------------|
| 1.1<br>PRODUCT IDENTIFICATION                           |  |                                                                                                                                  |        |                   |                                                 |
| PRODUCT NAME                                            |  | CLOVE LEAF, ESSENTIAL OIL                                                                                                        |        |                   |                                                 |
| BIOLOGICAL DEFINITION                                   |  | EUGENIA CAROYPHYLLUS LEAF OIL IS AN ESSENTIAL OIL STEAM-DISTILLED FROM THE LEAVES OF THE CLOVE, EUGENIA CARYOPHYLLUS, MYRTACEAE. |        |                   |                                                 |
| INCI NAME                                               |  | EUGENIA CAROYPHYLLUS LEAF OIL                                                                                                    |        |                   |                                                 |
| SYNONYMS & TRADE NAMES                                  |  | -                                                                                                                                |        |                   |                                                 |
| INTERNAL PRODUCT CODE                                   |  | K0141                                                                                                                            |        |                   |                                                 |
| CAS-No                                                  |  | 8015-97-2 /<br>8000-34-8 /<br>84961-50-2                                                                                         | EC No. | - / - / 284-638-7 | EINECS No.                    - / - / 284-638-7 |
| 1.2<br>DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET |  |                                                                                                                                  |        |                   |                                                 |
| COMPANY ADDRESS                                         |  | Essican Purelife<br>Unit 2A, Hollow wood road, Dover, Kent, CT17 0UB, England.                                                   |        |                   |                                                 |
| EMAIL                                                   |  | SALES@PURELIFEUK.CO.UK                                                                                                           |        |                   |                                                 |
| 1.3<br>DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET |  |                                                                                                                                  |        |                   |                                                 |
| EMERGENCY CONTACTS                                      |  | 01304 273111                                                                                                                     |        |                   |                                                 |

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| SECTION 2: HAZARDS IDENTIFICATION                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
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| <b>2.1</b><br>CLASSIFICATION OF THE SUBSTANCE OR MIXTURE       | THE FULL TEXT FOR ALL HAZARD STATEMENTS IS DISPLAYED IN SECTION 16.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| CLASSIFICATION (67/548/EEC)                                    | NO ADDITIONAL DATA AVAILABLE.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| CLASSIFICATION (EU1272/2008)                                   | <b>PHYSICAL AND CHEMICAL:</b> HAZARDS NOT CLASSIFIED.<br><b>HUMAN HEALTH:</b> SKIN SENSITISATION CAT. 1 - H317, ASPIRATION TOXICITY CAT 1 - H304, SERIOUS EYE DAMAGE/ EYE IRRITATION CAT 2 – H319<br><b>ENVIRONMENT:</b> NOT CLASSIFIED                                                                                                                                                                                                                                                                                                                                                |
| <b>2.2</b><br>LABEL ELEMENTS                                   | LABEL IN ACCORDANCE WITH REGULATION (EC) No 1272/2008.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| GHS LABEL                                                      |  <br>GHS07                      GHS08                                                                                                                                                                                                                                                                                                                                                                               |
| SIGNAL WORD                                                    | DANGER.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| CONTAINS                                                       | BETA-CARYOPHYLLENE.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| HAZARDS STATEMENT                                              | H304 MAY BE FATAL IF SWALLOWED AND ENTERS AIRWAYS.<br>H317 MAY CAUSE AN ALLERGIC SKIN REACTION.<br>H319 CAUSES SERIOUS EYE IRRITATION.                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| SIGNAL WORD                                                    | DANGER.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| PRECAUTIONARY STATEMENTS                                       | P261 AVOID BREATHING VAPOURS/SPRAY.<br>P280 WEAR PROTECTIVE GLOVES/PROTECTIVE CLOTHING/EYE PROTECTION/FACE PROTECTION.<br>P301+P310 IF SWALLOWED: IMMEDIATELY CALL A POISON CENTER/DOCTOR.<br>P302+P352 IF ON SKIN: WASH WITH PLENTY OF WATER.<br>P305+P351+P338 IF IN EYES: RINSE CAUTIOUSLY WITH WATER FOR SEVERAL MINUTES. REMOVE CONTACT LENSES, IF PRESENT AND EASY TO DO. CONTINUE RINSING.<br>P331 Do NOT INDUCE VOMITING.<br>P333+P313 IF SKIN IRRITATION OR RASH OCCURS: GET MEDICAL ADVICE/ATTENTION.<br>P337+P313 IF EYE IRRITATION PERSISTS: GET MEDICAL ADVICE/ATTENTION. |
| SUPPLEMENTARY PRECAUTIONARY STATEMENTS                         | P264 WASH HANDS AND EXPOSED SKIN THOROUGHLY AFTER HANDLING..                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| SECTION 16 (OTHER INFORMATION): RISK & SAFETY PHRASES IN FULL. |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>2.3</b><br>OTHER HAZARDS                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| ADVERSE PHYSIO-CHEMICAL PROPERTIES                             | NO ADDITIONAL DATA AVAILABLE.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| ADVERSE EFFECTS ON HUMAN HEALTH                                | NO ADDITIONAL DATA AVAILABLE.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| PBT OR vPvB ACCORDING TO ANNEX XIII                            | NO ADDITIONAL DATA AVAILABLE.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| SECTION 3: COMPOSITION OF INGREDIENTS                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

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| <b>3.1<br/>MIXTURES</b> | <b>≤ 92.0% EUGENOL</b> CAS No: 97-53-0 EC No: 202-589-1<br>CLASSIFICATION (EC 1272/2008) SKIN SENS. 1B H317, EYE IRRIT. 2 H319                                                            |
|                         | <b>10.0 – 25% BETA-CARYOPHYLLENE</b> CAS No: 87-44-5 EC No: 201-746-1<br>CLASSIFICATION (EC 1272/2008) ASP. TOX. 1 H304, SKIN SENS. 1B H317, AQUATIC CHRONIC 4 H413                       |
|                         | <b>≤ 2.5% EUGENYL ACETATE</b> CAS No: 93-28-7 EC No: 202-235-6<br>CLASSIFICATION (EC 1272/2008) ACUTE TOX. 4 H302                                                                         |
|                         | <b>≤ 0.3% ISOEUGENOL</b> CAS No: 97-54-1 EC No: 202-590-7<br>CLASSIFICATION (EC 1272/2008) ACUTE TOX. 4 H302, ACUTE TOX. 4 H312, SKIN IRRIT. 2 H315, SKIN SENS. 1 H317, EYE IRRIT. 2 H319 |
|                         | <b>≤ 0.3% METHYL EUGENOL</b> CAS No: 93-15-2 EC No: 202-223-0<br>CLASSIFICATION (EC 1272/2008) ACUTE TOX. 4 H302, MUTA. 2 H341, CARC. 2 H351                                              |

## SECTION 4: FIRST AID MEASURES

|                                                                                            |                                                                                                                        |
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| <b>4.1<br/>DESCRIPTION OF FIRST AID MEASURES</b>                                           |                                                                                                                        |
| <b>GENERAL INFORMATION</b>                                                                 | ALWAYS REMOVE CONTAMINATED CLOTHING IMMEDIATELY.                                                                       |
| <b>INHALATION</b>                                                                          | GET MEDICAL ATTENTION IMMEDIATELY. REMOVE FROM EXPOSURE SITE TO FRESH AIR, KEEP AT REST, AND OBTAIN MEDICAL ATTENTION. |
| <b>INGESTION</b>                                                                           | GET MEDICAL ATTENTION IMMEDIATELY. IMMEDIATELY CALL THE DOCTOR. RINSE MOUTH WITH WATER AND OBTAIN MEDICAL ATTENTION.   |
| <b>SKIN CONTACT</b>                                                                        | REMOVE CONTAMINATED CLOTHES. WASH THOROUGHLY WITH SOAP AND WATER. CONTACT PHYSICIAN IF IRRITATION PERSISTS.            |
| <b>EYE CONTACT</b>                                                                         | FLUSH IMMEDIATELY WITH WATER FOR AT LEAST 15 MINUTES. CONTACT PHYSICIAN IF SYMPTOMS PERSIST.                           |
| <b>4.2<br/>MOST IMPORTANT SYMPTOMS &amp; EFFECTS (ACUTE &amp; DELAYED)</b>                 | NO ADDITIONAL DATA AVAILABLE                                                                                           |
| <b>4.3<br/>INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION OR SPECIAL TREATMENT REQUIRED</b> | TREAT SYMPTOMATICALLY.                                                                                                 |

## SECTION 5: FIRE FIGHTING MEASURES

|                                                                      |                                                                                                                                                                                                                                                                                                                                                                 |
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| <b>5.1<br/>EXTINGUISHING MATERIAL</b>                                | FOAM, CO2, DRY CHEMICAL POWDER.                                                                                                                                                                                                                                                                                                                                 |
| <b>5.2<br/>SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE</b> | A FIRE WILL OFTEN PRODUCE A THICK BLACK SMOKE. EXPOSURE TO DECOMPOSITION PRODUCTS MAY BE HAZARDOUS TO HEALTH. DO NOT BREATHE IN SMOKE.<br>THERMAL DECOMPOSITION OR COMBUSTION PRODUCTS MAY INCLUDE THE FOLLOWING SUBSTANCES: CARBON DIOXIDE (CO2), CARBON MONOXIDE (CO), OTHER TOXIC GASES.<br>CONTAINERS CLOSE TO FIRE SHOULD BE REMOVED OR COOLED WITH WATER. |
| <b>5.3<br/>ADVICE FOR FIRE-FIGHTERS</b>                              | AVOID INHALATION OF GENERATED FUMES OR VAPOURS. WEAR SELF-CONTAINED BREATHING APPARATUS AND APPROPRIATE PROTECTIVE CLOTHING.                                                                                                                                                                                                                                    |

## SECTION 6: ACCIDENTAL RELEASE MEASURES

|                                                                       |                                                                                                                                                                                                                                                                                                          |
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| <b>6.1<br/>PERSONAL PRECAUTIONS</b>                                   | ENSURE ADEQUATE VENTILATION OF THE WORKING AREA, EVACUATE PERSONNEL TO SAFE AREA, WEAR SUITABLE PROTECTIVE EQUIPMENT. NO SMOKING, SPARKS, FLAMES OR OTHER SOURCES OF IGNITION NEAR SPILLAGE. AVOID CONTACT WITH SKIN, EYES AND CLOTHING. AVOID INHALATION.                                               |
| <b>6.2<br/>ENVIRONMENTAL PRECAUTIONS</b>                              | DO NOT DISCHARGE INTO DRAINS, WATER COURSES OR ONTO THE GROUND. DISPOSE OF IN LINE WITH LOCAL AUTHORITY GUIDELINES.                                                                                                                                                                                      |
| <b>6.3<br/>METHODS &amp; MATERIAL FOR CONTAINMENT AND CLEANING UP</b> | REMOVE IGNITION SOURCES. PROVIDE ADEQUATE VENTILATION. AVOID EXCESSIVE INHALATION OF VAPOURS. CONTAIN SPILLAGE IMMEDIATELY BY USE OF SAND OR INERT POWDER. DISPOSE OF ACCORDING TO LOCAL REGULATIONS. COVER WITH AN INERT, INORGANIC, NON-COMBUSTIBLE ABSORBENT MATERIAL (E.G DRY-LIME, SAND, SODA ASH). |

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| 6.4<br>REFERENCES TO OTHER SECTIONS                                 |  | REFER & CONSIDER SECTIONS 4,7,8 & 13.                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                            |
| SECTION 7: HANDLING & STORAGE                                       |  |                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                            |
| 7.1<br>PRECAUTIONS FOR SAFE-HANDLING                                |  | HANDLE IN ACCORDANCE WITH GOOD HYGIENE AND SAFETY PRACTICE. KEEP AWAY FROM HEAT, SPARKS, OPEN FLAMES AND HOT SURFACES. - NO SMOKING. USE PERSONAL PROTECTIVE EQUIPMENT AS REQUIRED. USE IN ACCORDANCE WITH GOOD MANUFACTURING AND INDUSTRIAL HYGIENE PRACTICES. USE IN AREAS WITH ADEQUATE VENTILATION DO NOT EAT, DRINK OR SMOKE WHEN USING THIS PRODUCT. |                                                                                                                                                                                                                                                                                                                                                                            |
| 7.2<br>CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES |  | STORAGE CLASS: FLAMMABLE LIQUID STORAGE. STORE ONLY IN THE ORIGINAL RECEPTACLE. KEEP CONTAINER TIGHTLY SEALED. KEEP IN COOL, DRY, VENTILATED STORAGE AND CLOSED CONTAINERS. KEEP AWAY FROM HEAT.                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                            |
| 7.3<br>SPECIFIC END USE(S)                                          |  | THE INFORMATION REQUIRED IS CONTAINED IN THIS MATERIAL SAFETY DATA                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                            |
| SECTION 8: EXPOSURE CONTROLS & PERSONAL PROTECTION                  |  |                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                            |
| 8.1<br>CONTROL PARAMETERS                                           |  | NO DATA.                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                            |
| 8.2<br>EXPOSURE CONTROLS                                            |  |                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                            |
| EYE PROTECTION                                                      |  |                                                                                                                                                                                                                                                                                                                                                            | WEAR PROTECTIVE GLOVES/EYE PROTECTION/FACE PROTECTION. AVOID CONTACT WITH EYES. WEAR APPROVED SAFETY GOGGLES. (EN166)                                                                                                                                                                                                                                                      |
| HAND PROTECTION                                                     |  |                                                                                                                                                                                                                                                                                                                                                            | AVOID CONTACT WITH SKIN. WASH HANDS BEFORE BREAKS AND AT END OF WORK. WEAR PROTECTIVE GLOVES. DIN/EN 374. THE GLOVE MATERIAL HAS TO BE IMPERMEABLE AND RESISTANT TO THE PRODUCT/ THE SUBSTANCE/ THE PREPARATION. PENETRATION TIME OF GLOVE MATERIAL: THE EXACT BREAK THROUGH TIME HAS TO BE FOUND OUT BY THE MANUFACTURER OF THE PROTECTIVE GLOVES AND HAS TO BE OBSERVED. |
| RESPIRATORY EQUIPMENT                                               |  |                                                                                                                                                                                                                                                                                                                                                            | DO NOT INHALE GASES / FUMES / AEROSOLS. CERTIFIED RESPIRATORY PROTECTIVE DEVICE RECOMMENDED.                                                                                                                                                                                                                                                                               |
| HYGIENE MEASURES                                                    |  |                                                                                                                                                                                                                                                                                                                                                            | GOOD PERSONAL HYGIENE PRACTICES ARE ALWAYS ADVISABLE, ESPECIALLY WHEN WORKING WITH CHEMICALS / OILS.                                                                                                                                                                                                                                                                       |
| ENGINEERING MEASURES                                                |  |                                                                                                                                                                                                                                                                                                                                                            | NONE.                                                                                                                                                                                                                                                                                                                                                                      |
| SKIN PROTECTION                                                     |  |                                                                                                                                                                                                                                                                                                                                                            | WEAR PROTECTIVE CLOTHING TO REDUCE THE RISK OF SKIN AND EYE CONTACT.                                                                                                                                                                                                                                                                                                       |
| PERSONAL PROTECTION                                                 |  |                                                                                                                                                                                                                                                                                                                                                            | AVOID INHALATION OF THE PRODUCT. AVOID CONTACT WITH SKIN AND EYES. AVOID CONTACT WITH SKIN AND EYES. USE PERSONAL PROTECTION ACCORDING TO DIRECTIVE 89/686/EEC.                                                                                                                                                                                                            |
| OTHER PROTECTION                                                    |  |                                                                                                                                                                                                                                                                                                                                                            | WEAR SUITABLE PROTECTION TO AVOID CONTACT WITH SKIN AND EYES. DO NOT INHALE VAPOURS.                                                                                                                                                                                                                                                                                       |
| PROCESS CONDITIONS                                                  |  |                                                                                                                                                                                                                                                                                                                                                            | ENSURE AREA IS WELL VENTILATED. AVOID VAPOUR INHALATION. SAFETY SHOWER & EYE BATH.                                                                                                                                                                                                                                                                                         |
| ENVIROMENTAL EXPOSURE CONTROLS                                      |  |                                                                                                                                                                                                                                                                                                                                                            | AVOID DISCHARGING INTO DRAINAGE WATER.                                                                                                                                                                                                                                                                                                                                     |
| SECTION 9: PHYSICAL & CHEMICAL PROPERTIES                           |  |                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                            |
| 9.1<br>PHYSICAL & CHEMICAL PROPERTIES                               |  |                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                            |
| APPEARANCE                                                          |  | LIMPID LIQUID                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                            |
| COLOUR                                                              |  | PALE YELLOW                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                            |
| ODOUR                                                               |  | CHARACTERISTIC OF CLOVE.                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                            |
| RELATIVE DENSITY @ 20°C                                             |  | APPROX. 1.044 @ 20°C                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                            |

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| <b>FLASH POINT (°C)</b>                            | 112°C.                                                                                                                                                           |
| <b>REFRACTIVE INDEX @ 20 °C</b>                    | APPROX. 1.553 @ 20°C                                                                                                                                             |
| <b>SOLUBILITY IN WATER @ 20 °C</b>                 | NO DATA.                                                                                                                                                         |
| <b>9.2<br/>OTHER INFORMATION</b>                   | NO DATA.                                                                                                                                                         |
| <b>SECTION 10: STABILITY &amp; REACTIVITY</b>      |                                                                                                                                                                  |
| <b>10.1<br/>REACTIVITY</b>                         | STABLE.                                                                                                                                                          |
| <b>10.2<br/>CHEMICAL STABILITY</b>                 | STABLE UNDER SUGGESTED STORAGE CONDITIONS (<15°C).<br>STABLE UNDER NORMAL CONDITIONS.                                                                            |
| <b>10.3<br/>POSSIBILITY OF HAZARDOUS REACTIONS</b> | NONE UNDER NORMAL PROCESSING.                                                                                                                                    |
| <b>10.4<br/>CONDITIONS TO AVOID</b>                | STORAGE AT HIGH TEMPERATURES. DO NOT STORE ABOVE 15°C. AVOID HEAT, FLAMES AND OTHER SOURCES OF IGNITION.                                                         |
| <b>10.5<br/>INCOMPATIBLE MATERIALS</b>             | AVOID CONCENTRATED ACIDS, ALKALIS & OXIDISING AGENTS.                                                                                                            |
| <b>10.6<br/>HAZARDOUS DECOMPOSITION PRODUCTS</b>   | THIS PRODUCT DOES NOT DECOMPOSE UNDER NORMAL CONDITIONS. UNDER FIRE CONDITIONS THE PRODUCT WILL PRODUCE A MIXTURE OF IRRITATING FUMES & SMOKE & CARBON MONOXIDE. |

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| <b>SECTION 11: TOXICOLOGICAL INFORMATION</b>    |                                                                   |
| <b>11.1<br/>TOXICOLOGICAL EFFECTS</b>           |                                                                   |
| <b>ACUTE TOXICITY</b>                           | NOT CLASSIFIED                                                    |
| <b>SKIN IRRITATION</b>                          | NOT CLASSIFIED                                                    |
| <b>EYE DAMAGE OR IRRITATION</b>                 | MAY CAUSE SERIOUS EYE IRRITATION                                  |
| <b>RESPIRATORY OR SKIN SENSITIVITY</b>          | SKIN – MAY CAUSE AN ALLERGIC SKIN REACTION                        |
| <b>GERM CELL MUTAGENICITY</b>                   | NOT CLASSIFIED                                                    |
| <b>CARCINOGENICITY</b>                          | NOT CLASSIFIED                                                    |
| <b>REPRODUCTIVE TOXICITY</b>                    | NOT CLASSIFIED                                                    |
| <b>STOT – SINGLE EXPOSURE</b>                   | NOT CLASSIFIED                                                    |
| <b>STOT – REPEATED EXPOSURE</b>                 | NOT CLASSIFIED                                                    |
| <b>ASPIRATION HAZARD</b>                        | MAY BE FATAL IF SWALLOWED AND ENTERS AIRWAYS.                     |
| <b>OTHER INFORMATION</b>                        | NO ADDITIONAL DATA AVAILABLE.                                     |
| <b>SECTION 12: ECOLOGICAL INFORMATION</b>       |                                                                   |
| <b>12.1<br/>TOXICITY</b>                        | NOT CLASSIFIED.<br>LOW TOXICITY TO INVERTEBRATES, FISH AND ALGAE. |
| <b>12.2<br/>PERSISTENCE &amp; DEGRADABILITY</b> | NO DATA.                                                          |
| <b>12.3<br/>BIO- ACCUMULATIVE POTENTIAL</b>     | NO DATA.                                                          |
| <b>12.4<br/>MOBILITY IN SOIL</b>                | NO DATA                                                           |
| <b>12.5</b>                                     | NO DATA.                                                          |

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| <b>RESULTS OF PBT &amp; VPVB ASSESSMENT</b>   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>12.6</b>                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>OTHER ADVERSE EFFECTS</b>                  | NO DATA.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>SECTION 13: DISPOSAL INFORMATION</b>       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>13.1</b><br><b>WASTE TREATMENT METHODS</b> | <p>DO NOT ALLOW ENTRY INTO DRAINS OR WATERWAYS.</p> <p><b>WASTE:</b><br/>WASTE MANAGEMENT IS CARRIED OUT WITHOUT ENDANGERING HUMAN HEALTH, WITHOUT HARMING THE ENVIRONMENT AND, IN PARTICULAR WITHOUT RISK TO WATER, AIR, SOIL, PLANTS OR ANIMALS. RECYCLE OR DISPOSE OF WASTE IN COMPLIANCE WITH CURRENT LEGISLATION, PREFERABLY VIA A CERTIFIED COLLECTOR OR COMPANY.<br/>DO NOT CONTAMINATE THE GROUND OR WATER WITH WASTE. DO NOT DISPOSE OF WASTE INTO THE ENVIRONMENT.</p> <p><b>SOILED PACKAGING:</b><br/>EMPTY CONTAINER COMPLETELY. KEEP LABEL(S) ON CONTAINER.<br/>DISPOSE OF VIA A CERTIFIED DISPOSAL CONTRACTOR.</p> |

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| <b>SECTION 14: TRANSPORT INFORMATION</b>                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>14.1</b><br><b>TRANSPORT INFORMATION</b>                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|                                                                                                         | <b>UN NUMBER</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|                                                                                                         | NOT CLASSIFIED.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>14.2</b><br><b>UN SHIPPING NAME</b>                                                                  | NONE.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>14.3</b><br><b>TRANSPORT HAZARD CLASS(ES)</b>                                                        | NONE.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>14.4</b><br><b>PACKING GROUP</b>                                                                     | NONE.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>14.5</b><br><b>ENVIRONMENTAL HAZARDS</b>                                                             | NO ADDITIONAL DATA.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>14.6</b><br><b>SPECIAL PRECAUTIONS FOR USER</b>                                                      | SEE SECTIONS 6-8.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>14.7</b><br><b>TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL73/78 &amp; THE IBC CODE.</b>        | NONE.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>SECTION 15: REGULATORY INFORMATION</b>                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>15.1</b><br><b>PRODUCT SPECIFIC SAFETY, HEALTH &amp; ENVIRONMENTAL REGULATIONS &amp; LEGISLATION</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>EU DIRECTIVES</b>                                                                                    | REGULATION (EC) NO 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL OF 18 <sup>TH</sup> DECEMBER 2006. CONCERNING THE REGISTRATION, EVALUATION, AUTHORIZATION & RESTRICTION OF CHEMICALS (REACH), ESTABLISHING A EUROPEAN CHEMICALS AGENCY, AMENDING DIRECTIVE 1999/45/EC AND REPEALING COUNCIL REGULATION (EEC) NO793/93 & COMMISSION REGULATION (EC) NO1488/94 AS WELL AS COUNCIL DIRECTIVE 76/769/EEC & COMMISSION DIRECTIVE 91/155/ECC, 93/67/ECC, 93/105/EEC & 2000/21/EC (INCLUDING AMENDMENTS). |
| <b>STATUTORY INSTRUMENTS</b>                                                                            | THE CHEMICALS (HAZARD INFORMATION & PACKAGING FOR SUPPLY REGULATIONS 2009 (S.I.2009 NO 716).                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>APPROVED CODE OF PRACTICE</b>                                                                        | CLASSIFICATION & LABELLING OF SUBSTANCES & PREPARATIONS DANGEROUS FOR SUPPLY. SAFETY DATA                                                                                                                                                                                                                                                                                                                                                                                                                     |

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|                                            |                                                                                                                     |
|--------------------------------------------|---------------------------------------------------------------------------------------------------------------------|
|                                            | SHEETS FOR SUBSTANCES & PREPARATIONS.                                                                               |
| <b>GUIDANCE NOTES</b>                      | WORKPLACE EXPOSURE LIMITS EH40. CHIP FOR EVERYONE HSG 108.                                                          |
| <b>15.2<br/>CHEMICAL SAFETY ASSESSMENT</b> | AN ASSESSMENT HAS NOT BEEN EXECUTED AS THIS IS NOT A HAZARDOUS MATERIAL ACCORDING TO ARTICLE 31 OF REACH 1907/2006. |

## SECTION 16: OTHER INFORMATION

|                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                               |
|------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| HAZARD AND/ OR PRECAUTIONARY STATEMENTS IN FULL                                    | H302 HARMFUL IF SWALLOWED.<br>H304 MAY BE FATAL IF SWALLOWED AND ENTERS AIRWAYS.<br>H312 HARMFUL IN CONTACT WITH SKIN.<br>H315 CAUSES SKIN IRRITATION.<br>H317 MAY CAUSE AN ALLERGIC SKIN REACTION.<br>H319 CAUSES SERIOUS EYE IRRITATION.<br>H341 SUSPECTED OF CAUSING GENETIC DEFECTS.<br>H351 SUSPECTED OF CAUSING CANCER.<br>H413 MAY CAUSE LONG LASTING HARMFUL EFFECTS TO AQUATIC LIFE. |
| <b>TRAINING INSTRUCTIONS: REFER TO POSSIBLE HAZARD BEFORE USE OF THIS PRODUCT.</b> |                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>ABBREVIATIONS &amp; ACRONYMS:</b>                                               |                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>MSDS</b>                                                                        | MATERIAL SAFETY DATA SHEET.                                                                                                                                                                                                                                                                                                                                                                   |
| <b>INCI</b>                                                                        | INTERNATIONAL NOMENCLATURE OF COSMETIC INGREDIENTS.                                                                                                                                                                                                                                                                                                                                           |
| <b>CAS</b>                                                                         | CHEMICAL ABSTRACT SERVICE.                                                                                                                                                                                                                                                                                                                                                                    |
| <b>IMDG</b>                                                                        | INTERNATIONAL MARITIME CODE FOR DANGEROUS GOODS.                                                                                                                                                                                                                                                                                                                                              |
| <b>ADR</b>                                                                         | ACCORD EUROPEAN SUR LE TRANSPORT DES MARCHANDISES DANGEREUSES PAR ROUTE (EUROPEAN AGREEMENT CONCERNING THE INTERNATIONAL CARRIAGE OF DANGEROUS GOODS BY ROAD).                                                                                                                                                                                                                                |
| <b>RID</b>                                                                         | INTERNATIONAL CARRIAGE OF DANGEROUS GOODS BY RAIL.                                                                                                                                                                                                                                                                                                                                            |
| <b>ICAO</b>                                                                        | INTERNATIONAL CIVIL AVIATION ORGANIZATION.                                                                                                                                                                                                                                                                                                                                                    |
| <b>ADN</b>                                                                         | INTERNATIONAL CARRIAGE OF DANGEROUS GOODS BY INLAND WATERWAYS.                                                                                                                                                                                                                                                                                                                                |
| <b>GHS</b>                                                                         | GLOBALLY HARMONIZED SYSTEM OF CLASSIFICATION & LABELLING OF CHEMICALS.                                                                                                                                                                                                                                                                                                                        |
| <b>TREM CARD</b>                                                                   | TRANSPORT EMERGENCY CARD.                                                                                                                                                                                                                                                                                                                                                                     |
| <b>STOT</b>                                                                        | SPECIFIC TARGET ORGAN TOXICITY.                                                                                                                                                                                                                                                                                                                                                               |

## DOCUMENTATION REVISION

| DATE                        | CHANGE DESCRIPTION |
|-----------------------------|--------------------|
| 10 <sup>TH</sup> APRIL 2018 | DATA LAUNCH        |
| JANUARY 2021                | REVIEW             |

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## IFRA STATEMENT

PRODUCT NAME: **CLOVE LEAF, ESSENTIAL OIL**

PRODUCT INCI: EUGENIA CAROYPHYLLUS LEAF OIL

PRODUCT CODE: K0141

Essican Purelife CERTIFY THAT THE ABOVE-MENTIONED MATERIAL CONFORMS TO THE IFRA 49 CODE OF PRACTICE AND CONTAINS THE FOLLOWING RESTRICTED COMPONENTS THAT ARE LISTED IN THE 49<sup>TH</sup> AMENDMENT OF THE IFRA CODE OF PRACTICE:

| Restricted Component         | Cas No:    | % Level in Product | IFRA Standard              |
|------------------------------|------------|--------------------|----------------------------|
| Limonene                     | 5989-27-5  | ≤ 0.01             | Specification              |
| Linalool                     | 78-70-6    | ≤ 0.10             | Specification              |
| Benzaldehyde                 | 100-52-7   | ≤ 0.01             | Restriction                |
| Benzyl alcohol               | 100-51-6   | ≤ 0.01             | Restriction                |
| Benzyl benzoate              | 120-51-4   | ≤ 0.10             | Restriction                |
| Benzyl salicylate            | 118-58-1   | ≤ 0.10             | Restriction                |
| Citral                       | 5392-40-5  | ≤ 0.01             | Restriction                |
| Eugenol                      | 97-53-0    | ≤ 92.00            | Restriction                |
| Farnesol                     | 4602-84-0  | ≤ 0.01             | Restriction, Specification |
| Geraniol                     | 106-21-4-1 | ≤ 0.10             | Restriction                |
| Isoeugenol                   | 97-54-1    | ≤ 0.01             | Restriction                |
| Trans-2-Hexenal              | 6728-26-3  | ≤ 0.01             | Restriction                |
| Methyl eugenol from naturals | 93-15-2    | ≤ 0.30             | Restriction                |
| Furfural                     | 98-01-1    | ≤ 0.10             | Restriction                |
| Phenylacetaldehyde           | 122-78-1   | ≤ 0.01             | Restriction                |

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**Additional comments:**

**Flavour use consideration** - Due to the possible ingestion of small amounts of fragrance ingredients from their use in products in Categories 1 and 6, materials must not only comply with IFRA Standards but must also be recognized as safe as a flavouring ingredient as defined by the IOFI Code of Practice ([www.iofi.org](http://www.iofi.org)). For more details see chapter 1 of the Guidance for the use of IFRA Standards.

According to Cosmetic Regulation (EC) No 1223/2009 Annex III methyl eugenol is restricted to a maximum concentration in a ready to use preparation as follows

Fine fragrance – 0.01%

Eau de toilette - 0.004%

Fragrance cream - 0.002%

Rinse-off products - 0.001%

Other leave-on products and oral products - 0.0002%

| IFRA Category     | % Maximum Use Level |
|-------------------|---------------------|
| IFRA Category 1   | 0.19                |
| IFRA Category 2   | 0.15                |
| IFRA Category 3   | 0.10                |
| IFRA Category 4   | 1.00                |
| IFRA Category 5A  | 0.67                |
| IFRA Category 5B  | 0.19                |
| IFRA Category 5C  | 0.19                |
| IFRA Category 5D  | 0.06                |
| IFRA Category 6   | 0.47                |
| IFRA Category 7A  | 0.19                |
| IFRA Category 7B  | 0.19                |
| IFRA Category 8   | 0.06                |
| IFRA Category 9   | 0.29                |
| IFRA Category 10A | 0.29                |
| IFRA Category 10B | 1.00                |
| IFRA Category 11A | 0.06                |
| IFRA Category 11B | 0.06                |
| IFRA Category 12  | 32.33               |

| IFRA Category | Product Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Flavour Use | Phototoxicity                                          |
|---------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|--------------------------------------------------------|
| Category 1    | Lip Products of all types (solid and liquid lipsticks, balms, clear or coloured, etc.). Children's toys.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Yes         | Applicable (leave-on products)                         |
| Category 2    | Deodorant and antiperspirant products of all types including any product with intended or reasonably foreseeable use on the axillae or labelled as such (spray, stick, roll-on, under-arm, deo-cologne, etc.). Body sprays (including body mist)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | No          | Applicable (leave-on products)                         |
| Category 3    | Eye products of all types (eye shadow, mascara, eyeliner, eye make-up, eye masks, eye pillows, etc.) including eye care and moisturizer<br>Facial make up and foundation. Make-up remover for face and eyes. Nose pore strips. Wipes or refreshing tissues for face, neck, hands, body. Body and face paint (for children and adults). Facial masks for face and around the eyes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | No          | Applicable (leave-on products)                         |
| Category 4    | Hydro alcoholic and non-hydro alcoholic fine fragrance of all types (Eau de Toilette, Parfum, Cologne, solid perfume, fragranting cream, aftershaves of all types, etc.). Fragranced bracelets. Ingredients of perfume kits and fragrance mixtures for cosmetic kits. Scent pads, foil packs. Scent strips for hydro alcoholic products                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | No          | Applicable (leave-on products)                         |
| Category 5A   | Body creams, oils, lotions of all types. Foot care products (creams and powders). Insect repellent (intended to be applied to the skin).<br>All powders and talc (excluding baby powders and talc).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | No          | Applicable (leave-on products)                         |
| Category 5B   | Facial toner. Facial moisturizers and creams                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | No          | Applicable (leave-on products)                         |
| Category 5C   | (women facial creams) Hand cream. Nail care products including cuticle creams, etc. Hand sanitizers                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | No          | Applicable (leave-on products)                         |
| Category 5D   | Baby cream/lotion, baby oil, baby powders and talc.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | No          | Applicable (leave-on products)                         |
| Category 6    | Toothpaste. Mouthwash, including breath sprays. Toothpowder, strips, mouthwash tablets                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Yes         | Applicable (leave-on products)                         |
| Category 7A   | Hair permanent or other hair chemical treatments (rinse-off) (e.g. relaxers), including rinse-off hair dyes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | No          | Applicable (leave-on products)                         |
| Category 7B   | Hair sprays of all types (pumps, aerosol sprays, etc.). Hair styling aids non-sprays (mousse, gels, leave-on conditioners). Hair permanent or other hair chemical treatments (leave-on) (e.g. relaxers), including leave-on hair dyes. Shampoo - Dry (waterless shampoo). Hair deodorizer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | No          | Applicable (leave-on products)                         |
| Category 8    | Intimate wipes. Tampons. Baby wipes. Toilet paper (wet).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | No          | Applicable (leave-on products)                         |
| Category 9    | Bar soap. Shampoo of all type. Cleanser for face (rinse-off).<br>Conditioner (rinse-off). Liquid soap. Body washes and shower gels of all types. Baby wash, bath, shampoo. Bath gels, foams, mousses, salts, oils and other products added to bathwater. Foot care products (feet are placed in a bath for soaking). Shaving creams of all types (stick, gels, foams, etc.). All depilatories (including facial) and waxes for mechanical hair removal. Shampoos for pets                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | NO          | Applicable (rinse-off products)                        |
| Category 10A  | Hand wash laundry detergent (including concentrates). Laundry pre-treatment of all types (e.g. paste, sprays, sticks). Hand dishwashing detergent (including concentrates). Hard surface cleaners of all types (bathroom and kitchen cleansers, furniture polish, etc.). Machine laundry detergents with skin contact (e.g. liquids, powders) including concentrates. Dry cleaning kits. Toilet seat wipes. Fabric softeners of all types including fabric softener sheets. Household cleaning products, other types including fabric cleaners, soft surface cleaners, carpet cleaners, furniture polishes sprays and wipes, leather cleaning wipes, stain removers, fabric enhancing sprays, treatment products for textiles (e.g. starch sprays, fabric treated with fragrances after wash, deodorizers for textiles or fabrics). Floor wax. Fragranced oil for lamp ring, reed diffusers, pot-pourri, liquid refills for air fresheners (non-cartridge systems), etc. Ironing water (Odorized distilled water). | NO          | Applicable (rinse-off products)                        |
| Category 10B  | Animal sprays – sprays applied to animals of all types. Air freshener sprays, manual, including aerosol and pump. Aerosol/spray insecticides                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | NO          | Applicable (rinse-off products)                        |
| Category 11A  | Feminine hygiene conventional pads, liners, interlabial pads. Diapers (baby and adult).<br>Adult incontinence pant, pad. Toilet paper (dry).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | NO          | Not applicable (leave-on products without UV exposure) |
| Category 11B  | Tights with moisturizers. Scented socks, gloves. Facial tissues (dry tissues). Napkins. Paper towels. Wheat bags. Facial masks (paper/protective) e.g. surgical masks not used as medical device. Fertilizers, solid (pellet or powder).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | NO          | Applicable (leave-on products)                         |
| Category 12   | Candles of all types (including encased). Laundry detergents for machine wash with minimal skin contact (e.g. Liquid tabs, pods). Automated air fresheners and fragranting of all types (concentrated aerosol with metered doses (range 0.05-0.5mL/spray), plug-ins, closed systems, solid substrate, membrane delivery, electrical, powders, fragranting sachets, incense, liquid refills (cartridge), air freshening crystals). Air delivery systems. Cat litter. Cell phone cases. Deodorizers/maskers not intended for skin contact (e.g. fabric drying machine deodorizers, carpet powders). Fuels. Insecticides (e.g. mosquito coil, paper, electrical, for clothing) excluding aerosols/sprays. Joss sticks or incense sticks. Dish wash detergent and deodorizers – for machine wash. Olfactive board games. Paints. Plastic articles (excluding toys). Scratch and sniff. Scent pack. Scent delivery system (using dry air technology). Shoe polishes. Rim blocks (Toilet).                               | NO          | Not applicable (non-skin contact products)             |

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## ALLERGEN STATEMENT

PRODUCT NAME: **CLOVE LEAF, ESSENTIAL OIL**

PRODUCT CODE: K0141

### COSMETIC ALLERGENS

| Annex IIIa Reference: |                                              | CAS NUMBER: | TOTAL ALLERGEN INCLUSION (%): |
|-----------------------|----------------------------------------------|-------------|-------------------------------|
| 67                    | AMYL CINNAMAL                                | 122-40-7    | 0.000                         |
| 68                    | BENZYL ALCOHOL                               | 100-51-6    | ≤ 0.01                        |
| 69                    | CINNAMYL ALCOHOL                             | 104-54-1    | 0.000                         |
| 70                    | CITRAL                                       | 5392-40-5   | ≤ 0.01                        |
| 71                    | EUGENOL                                      | 97-53-0     | ≤ 92.0                        |
| 72                    | HYDROXY-CITRONELLAL                          | 107-75-5    | 0.000                         |
| 73                    | ISO EUGENOL                                  | 97-54-1     | ≤ 0.01                        |
| 74                    | AMYL CINNAMYL ALCOHOL                        | 101-85-9    | 0.000                         |
| 75                    | BENZYL SALICYLATE                            | 118-58-1    | ≤ 0.1                         |
| 76                    | CINNAMAL                                     | 104-55-2    | 0.000                         |
| 77                    | COUMARIN                                     | 91-64-5     | 0.000                         |
| 78                    | GERANIOL                                     | 106-24-1    | ≤ 0.1                         |
| 79                    | HYDROXYISOHEXYL 3-CYCLOHEXENE CARBOXALDEHYDE | 31906-04-4  | 0.000                         |
| 80                    | ANISE ALCOHOL                                | 105-13-5    | 0.000                         |
| 81                    | BENZYL CINNAMATE                             | 103-41-3    | 0.000                         |
| 82                    | FARNESOL                                     | 4602-84-0   | ≤ 0.01                        |
| 83                    | BUTYLPHENYL METHYLPROPIONAL                  | 80-54-6     | 0.000                         |
| 84                    | LINALOOL                                     | 78-70-6     | ≤ 0.1                         |
| 85                    | BENZYL BENZOATE                              | 120-51-4    | ≤ 0.1                         |
| 86                    | CITRONELLOL                                  | 106-22-9    | 0.000                         |
| 87                    | HEXYL CINNAM-ALDEHYDE                        | 101-86-0    | 0.000                         |
| 88                    | LIMONENE                                     | 5989-27-5   | ≤ 0.01                        |
| 89                    | METHYL 2-OCTYNOATE                           | 111-12-6    | 0.000                         |
| 90                    | ALPHA-ISOMETHYL IONONE                       | 127-51-5    | 0.000                         |
| 91                    | EVERNIA PRUNASTRI EXTRACT                    | 90028-68-5  | 0.000                         |
| 92                    | EVERNIA FURFURACEA EXTRACT                   | 90028-67-4  | 0.000                         |

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## FOOD ALLERGENS

| Annex IIIa<br>Reference: |                                      | PRESENT IN<br>PRODUCT: | CONTAMINATION<br>PRESENCE: | FACTORY<br>PRESENCE: |
|--------------------------|--------------------------------------|------------------------|----------------------------|----------------------|
| 1                        | CEREALS ( <i>CONTAINING GLUTEN</i> ) | NO                     | NO                         | YES                  |
| 2                        | CRUSTACEANS                          | NO                     | NO                         | NO                   |
| 3                        | EGGS                                 | NO                     | NO                         | NO                   |
| 4                        | FISH                                 | NO                     | NO                         | NO                   |
| 5                        | PEANUTS                              | NO                     | NO                         | YES                  |
| 6                        | SOYA                                 | NO                     | NO                         | YES                  |
| 7                        | MILK                                 | NO                     | NO                         | YES                  |
| 8                        | NUTS                                 | NO                     | NO                         | YES                  |
| 9                        | CELERY & CELERIAC                    | NO                     | NO                         | YES                  |
| 10                       | MUSTARD                              | NO                     | NO                         | YES                  |
| 11                       | SESAME                               | NO                     | NO                         | YES                  |
| 12                       | SULPHUR DIOXIDE & SULPHITES          | NO                     | NO                         | NO                   |
| 13                       | LUPIN                                | NO                     | NO                         | NO                   |
| 14                       | MOLLUSC                              | NO                     | NO                         | NO                   |

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