



## 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                                            | MARJORAM (SPANISH), ESSENTIAL OIL                                                                                  |        |           |            |           |
| INCI NAME                                               | THYMUS MASTICHINA HERB OIL                                                                                         |        |           |            |           |
| BIOLOGICAL DEFINITION                                   | THYMUS MASTICHINA HERB OIL IS AN ESSENTIAL OIL OBTAINED FROM THE HERBS OF THE THYME, THYMUS MASTICHINA, LAMIACEAE. |        |           |            |           |
| SYNONYMS & TRADE NAMES                                  | -                                                                                                                  |        |           |            |           |
| INTERNAL PRODUCT CODE                                   | K0895                                                                                                              |        |           |            |           |
| CAS-No                                                  | 84837-14-9                                                                                                         | EC No. | 284-294-8 | EINECS No. | 284-294-8 |
| 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.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>CLASSIFICATION (67/548/EEC)</b>                             | THE FULL TEXT FOR ALL R-PHRASES AND HAZARD STATEMENTS ARE DISPLAYED IN SECTION 16.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>CLASSIFICATION (EU1272/2008)</b>                            | PHYSICAL HAZARDS: FLAM. LIQ. 3 - H226<br>HEALTH HAZARDS: ASP. TOX. 1 - H304, SKIN IRRIT. 2 - H315, SKIN SENS. 1B - H317, EYE IRRIT. 2 - H319<br>ENVIRONMENTAL HAZARDS: AQUATIC CHRONIC 2 - H411                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>2.2</b><br>LABEL ELEMENTS                                   | LABEL IN ACCORDANCE WITH REGULATION (EC) No 1272/2008.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>GHS LABEL</b>                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>SIGNAL WORD</b>                                             | DANGER.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>CONTAINS</b>                                                | D-LIMONENE, ALPHA-PINENE, MYRCENE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>HAZARDS STATEMENT</b>                                       | H226 - FLAMMABLE LIQUID AND VAPOUR.<br>H304 - MAY BE FATAL IF SWALLOWED AND ENTERS AIRWAYS.<br>H315 - CAUSES SKIN IRRITATION.<br>H317 - MAY CAUSE AN ALLERGIC SKIN REACTION.<br>H319 - CAUSES SERIOUS EYE IRRITATION.<br>H411 - TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>PRECAUTIONARY STATEMENTS</b>                                | P210 KEEP AWAY FROM HEAT, HOT SURFACES, SPARKS, OPEN FLAMES AND OTHER IGNITION SOURCES. NO SMOKING.<br>P233 KEEP CONTAINER TIGHTLY CLOSED.<br>P241 USE EXPLOSION-PROOF ELECTRICAL EQUIPMENT.<br>P242 USE ONLY NON-SPARKING TOOLS.<br>P243 TAKE PRECAUTIONARY MEASURES AGAINST STATIC DISCHARGE.<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>P370+P378 IN CASE OF FIRE: USE FOAM, CARBON DIOXIDE, DRY POWDER OR WATER FOG TO EXTINGUISH.<br>P403+P235 STORE IN A WELL-VENTILATED PLACE. KEEP COOL.<br>P501 DISPOSE OF CONTENTS/ CONTAINER IN ACCORDANCE WITH NATIONAL REGULATIONS. |
| <b>SUPPLEMENTARY PRECAUTIONARY STATEMENTS</b>                  | P264 WASH CONTAMINATED SKIN THOROUGHLY AFTER HANDLING.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| SECTION 16 (OTHER INFORMATION): RISK & SAFETY PHRASES IN FULL. |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>2.3</b><br>OTHER HAZARDS                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>ADVERSE PHYSIO-CHEMICAL PROPERTIES</b>                      | NO DATA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>ADVERSE EFFECTS ON HUMAN HEALTH</b>                         | NO DATA.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>PBT OR vPvB ACCORDING TO ANNEX XIII</b>                     | THE SUBSTANCE DOES NOT SATISFY THE PBT OR vPVP CRITERIA IN ACCORDANCE WITH ANNEXE XIII OF THE REACH REGULATIONS EC 1907/2006.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| SECTION 3: COMPOSITION OF INGREDIENTS                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>3.2 MIXTURES</b>                                            | <b>60.0 – 80.0% 1,8-CINEOLE</b> CAS-NO: 470-82-6 EC NO: 207-431-5<br>CLASSIFICATION (EC 1272/2008) FLAM. LIQ. 3: H226; SKIN SENS. 1B: H317, WARNING.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

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|  | <p><b>≤15.0% LINALOOL</b> CAS-NO: 78-70-6 EC NO: 201-134-4</p> <p>CLASSIFICATION (EC 1272/2008) EYE IRRIT. 2: H319; SKIN IRRIT. 2: H315; SKIN SENS. 1B H317 - WARNING</p>                                                                                             |
|  | <p><b>1.0 – 6.0% BETA-PINENE</b> CAS NO: 127-91-3 EC NO: 204-872-5</p> <p>CLASSIFICATION (EC 1272/2008) FLAM. LIQ. 3 - H226, ASP. TOX. 1 - H304, SKIN IRRIT. 2 - H315, SKIN SENS. 1 - H317, AQUATIC ACUTE 1 - H400, AQUATIC CHRONIC 1 - H410</p>                      |
|  | <p><b>1.0 – 6.0% ALPHA-PINENE</b> CAS NO: 80-56-8 EC NO: 201-291-9</p> <p>CLASSIFICATION (EC 1272/2008) FLAM. LIQ. 3 - H226, ACUTE TOX. 4 - H302, ASP. TOX. 1 - H304, SKIN IRRIT. 2 - H315, SKIN SENS. 1 - H317, AQUATIC ACUTE 1 - H400, AQUATIC CHRONIC 1 - H410</p> |
|  | <p><b>≤3.0% D-LIMONENE</b> CAS-NO: 5989-27-5 EC NO: 227-813-5</p> <p>CLASSIFICATION (EC 1272/2008) ASP. TOX. 1: H304; FLAM. LIQ. 3: H226; SKIN IRRIT. 2: H315; SKIN SENS. 1: H317; AQUATIC ACUTE 1: H400; AQUATIC CHRONIC 1: H410 - DANGER</p>                        |
|  | <p><b>1.0 – 3.0% ALPHA-TERPINEOL</b> CAS NO: 98-55-5 EC NO: 202-680-6</p> <p>CLASSIFICATION (EC 1272/2008) SKIN IRRIT. 2 - H315, EYE IRRIT. 2 - H319</p>                                                                                                              |
|  | <p><b>1.0 – 3.0% LINALYL ACETATE</b> CAS-NO: 115-95-7 EC NO: 204-116-4</p> <p>CLASSIFICATION (EC 1272/2008) EYE IRRIT. 2: H319; SKIN IRRIT. 2: H315; SKIN SENS. 1B H317 - WARNING</p>                                                                                 |
|  | <p><b>1.0 – 3.0% MYRCENE</b> CAS NO: 123-35-3 EC NO: 204-622-5</p> <p>CLASSIFICATION (EC 1272/2008) FLAM. LIQ. 3 - H226, ASP. TOX. 1 - H304, SKIN IRRIT. 2 - H315, EYE IRRIT. 2 - H319, AQUATIC ACUTE 1 - H400, AQUATIC CHRONIC 2 - H411</p>                          |
|  | <p><b>1.0 – 3.0% SABINENE</b> CAS NO: 3387-41-5 EC NO: 222-212-4</p> <p>CLASSIFICATION (EC 1272/2008) ACUTE TOX. 4 - H302</p>                                                                                                                                         |
|  | <p><b>&lt;1.0% CAMPHENE</b> CAS-NO: 79-92-5 EC NO: 201-234-8</p> <p>CLASSIFICATION (EC 1272/2008) EYE IRRIT. 2: H319; FLAM. SOL. 2: H228; AQUATIC ACUTE 1: H400; AQUATIC CHRONIC 1: H410 - WARNING</p>                                                                |
|  | <p><b>&lt;1.0% BETA-CARYOPHYLLENE</b> CAS-NO: 87-44-5 EC NO: 201-746-1</p> <p>CLASSIFICATION (EC 1272/2008) ASP. TOX. 1: H304; SKIN SENS. 1B: H317; AQUATIC CHRONIC 4: H413 - DANGER</p>                                                                              |
|  | <p><b>≤ 1.0% PARA-CYMENE</b> CAS NO: 99-87-6 EC NO: 202-796-7</p> <p>CLASSIFICATION (EC 1272/2008) FLAM. LIQ. 3 - H226, ASP. TOX. 1 - H304, REPR. 2 - H361, AQUATIC CHRONIC 2 - H411</p>                                                                              |
|  | <p><b>≤ 1.0% GAMMA-TERPINENE</b> CAS NO: 99-85-4 EC NO: 202-794-6</p> <p>CLASSIFICATION (EC 1272/2008) FLAM. LIQ. 3 – H226, REPR. 2 - H361, AQUATIC CHRONIC 2 - H411</p>                                                                                              |
|  | <p><b>≤ 1.0 % TERPINOLENE</b> CAS NO: 586-62-9 EC NO: 209-578-0</p> <p>CLASSIFICATION (EC 1272/2008) ASP. TOX. 1 - H304, SKIN SENS. 1B - H317, AQUATIC ACUTE 1 - H400, AQUATIC CHRONIC 1 - H410</p>                                                                   |
|  | <p><b>≤ 1.0% ALPHA-TERPINENE</b> CAS NO: 99-86-5 EC NO: 202-795-1</p> <p>CLASSIFICATION (EC 1272/2008) FLAM. LIQ. 3 - H226, ACUTE TOX. 4 - H302, SKIN SENS. 1B - H317, EYE IRRIT. 2 - H319, AQUATIC CHRONIC 2 - H411</p>                                              |

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| SECTION 4: FIRST AID MEASURES                                                      |                                                                                                                                                                                                                                                                                                                                                            |
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| 4.1<br>DESCRIPTION OF FIRST AID MEASURES                                           |                                                                                                                                                                                                                                                                                                                                                            |
| GENERAL INFORMATION                                                                | ALWAYS REMOVE CONTAMINATED CLOTHING IMMEDIATELY.                                                                                                                                                                                                                                                                                                           |
| INHALATION                                                                         | GET MEDICAL ATTENTION IMMEDIATELY. REMOVE FROM EXPOSURE SITE TO FRESH AIR, KEEP AT REST, AND OBTAIN MEDICAL ATTENTION.                                                                                                                                                                                                                                     |
| INGESTION                                                                          | GET MEDICAL ATTENTION IMMEDIATELY. RINSE MOUTH WITH WATER AND OBTAIN MEDICAL ATTENTION.                                                                                                                                                                                                                                                                    |
| SKIN CONTACT                                                                       | REMOVE CONTAMINATED CLOTHES. WASH THOROUGHLY WITH SOAP AND WATER. CONTACT PHYSICIAN IF IRRITATION PERSISTS.                                                                                                                                                                                                                                                |
| EYE CONTACT                                                                        | IMMEDIATELY FLUSH WITH PLENTY OF WATER FOR UP TO 15 MINUTES. REMOVE ANY CONTACT LENSES AND OPEN EYES WIDE APART. GET MEDICAL ADVICE/ATTENTION. CONTINUE TO RINSE.                                                                                                                                                                                          |
| 4.2<br>MOST IMPORTANT SYMPTOMS & EFFECTS (ACUTE & DELAYED)                         | ACUTE AND DELAYED EFFECTS ARE INDICATED IN SECTIONS 2 AND 11.                                                                                                                                                                                                                                                                                              |
| 4.3<br>INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION OR SPECIAL TREATMENT REQUIRED | NO ADDITIONAL DATA AVAILABLE.                                                                                                                                                                                                                                                                                                                              |
| SECTION 5: FIRE FIGHTING MEASURES                                                  |                                                                                                                                                                                                                                                                                                                                                            |
| 5.1<br>EXTINGUISHING MATERIAL                                                      | FOAM, CO2, DRY CHEMICAL POWDER.                                                                                                                                                                                                                                                                                                                            |
| 5.2<br>SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE                       | BURNING PRODUCES IRRITATING, TOXIC AND OBNOXIOUS FUMES                                                                                                                                                                                                                                                                                                     |
| 5.3<br>ADVICE FOR FIRE-FIGHTERS                                                    | SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS:<br>WEAR POSITIVE-PRESSURE SELF-CONTAINED BREATHING APPARATUS (SCBA) AND APPROPRIATE PROTECTIVE CLOTHING.                                                                                                                                                                                                   |
| SECTION 6: ACCIDENTAL RELEASE MEASURES                                             |                                                                                                                                                                                                                                                                                                                                                            |
| 6.1<br>PERSONAL PRECAUTIONS                                                        | 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.                                                                                                                   |
| 6.2<br>ENVIRONMENTAL PRECAUTIONS                                                   | DO NOT DISCHARGE INTO DRAINS, WATER COURSES OR ONTO THE GROUND. DISPOSE OF IN LINE WITH LOCAL AUTHORITY GUIDELINES.                                                                                                                                                                                                                                        |
| 6.3<br>METHODS & MATERIAL FOR CONTAINMENT AND CLEANING UP                          | 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.                                                                                                                                                      |
| 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                | KEEP THE PRODUCT CONTAINER TIGHTLY CLOSED, IN A DRY, VENTILATED AREA. KEEP AWAY FROM POTENTIAL SOURCES OF IGNITION AND PROTECTED FROM LIGHT. MAINTAIN LIMITED CONTACT WITH OXYGEN.                                                                                                                                                                         |
| 7.3<br>SPECIFIC END USE(S)                                                         | SUITABLE FOR COSMETIC, FLAVOUR, FRAGRANCE AND PROFESSIONAL USER /INDUSTRIAL USER ONLY.                                                                                                                                                                                                                                                                     |
| SECTION 8: EXPOSURE CONTROLS & PERSONAL PROTECTION                                 |                                                                                                                                                                                                                                                                                                                                                            |

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**8.1  
CONTROL PARAMETERS**

THERE ARE NO OCCUPATIONAL EXPOSURE LIMITS FOR THE SUBSTANCES CONTAINED IN THE PRODUCT.

**DNEL (WORKERS):**

| LONG EXPOSURE                          |              |            | SHORT EXPOSURE           |       |                          |        |
|----------------------------------------|--------------|------------|--------------------------|-------|--------------------------|--------|
| IDENTIFICATION                         |              |            | SYSTEMIC                 | LOCAL | SYSTEMIC                 | LOCAL  |
| 1,8-CINEOLE                            |              | ORAL       | N/A                      |       | N/A                      | N/A    |
| CAS: 470-82-6                          | N/A          | DERMAL     | N/A                      |       | N/A                      | 2MG/KG |
| EC: 207-431-5                          | N/A          | INHALATION | N/A                      | N/A   | 7.05 MG/M <sup>3</sup>   |        |
| LINALOOL                               |              | ORAL       | N/A                      |       | N/A                      | N/A    |
| CAS: 78-70-6                           | N/A          | DERMAL     | 5MG/KG                   |       | N/A                      |        |
| EC: 201-134-4                          | 2.5MG/KG N/A | INHALATION | 16.5 MG/M <sup>3</sup>   | N/A   | 2.8MG/M <sup>3</sup>     | N/A    |
| D-LIMONENE                             | ORAL         |            | N/A                      | N/A   | N/A                      |        |
| CAS: 5989-27-5                         | N/A          | DERMAL     | N/A                      |       | N/A                      | N/A    |
| EC: 227-813-5                          | N/A          | INHALATION | N/A                      | N/A   | 33.3MG/M <sup>3</sup>    |        |
| LINALYL ACETATE                        |              | ORAL       | N/A                      |       | N/A                      | N/A    |
| CAS: 115-95-7                          | N/A          | DERMAL     | N/A                      |       | N/A                      |        |
| EC: 204-116-4                          | 2.5MG/KG N/A | INHALATION | N/A                      | N/A   | 2.75MG/M <sup>3</sup>    |        |
| PIN-2(3)-ENE                           |              | ORAL       | N/A                      |       | N/A                      | N/A    |
| CAS: 50-56-8                           | N/A          | DERMAL     | N/A                      |       | N/A                      | N/A    |
| EC: 201-291-9                          | N/A          | INHALATION | N/A                      | N/A   | 5.98MG/M <sup>3</sup>    |        |
| 7-METHYL-3-METHYLENE<br>OCTA-1,6-DIENE |              | ORAL       | N/A                      |       | N/A                      | N/A    |
| CAS: 123-35-3                          | N/A          | DERMAL     | N/A                      |       | N/A                      |        |
| EC: 204-622-5                          | 0.83MG/KG    | INHALATION | N/A                      | N/A   | 5.83MG/M <sup>3</sup>    |        |
| CAMPHERE                               | ORAL         |            | N/A                      | N/A   | N/A                      |        |
| CAS: 79-92-5                           | N/A          | DERMAL     | 1.25MG/KG                |       | N/A                      |        |
| EC: 201-234-8                          | 0.21 MG/KG   | INHALATION | 110.19 MG/M <sup>3</sup> | N/A   | 110.19 MG/M <sup>3</sup> |        |
| P-MENTA-1,4(8)-DIENR                   | ORAL         |            | N/A                      | N/A   | N/A                      |        |
| CAS: 586-62-9                          | N/A          | DERMAL     | N/A                      |       | N/A                      |        |
| EC: 209-578-0                          | 0.52MG/KG    | INHALATION | N/A                      | N/A   | 3.6MG/M <sup>3</sup>     | N/A    |

**DNEL (GENERAL POPULATION):**

| LONG EXPOSURE  |     |            | SHORT EXPOSURE |       |                       |          |
|----------------|-----|------------|----------------|-------|-----------------------|----------|
| IDENTIFICATION |     |            | SYSTEMIC       | LOCAL | SYSTEMIC              | LOCAL    |
| 1,8-CINEOLE    |     | ORAL       | N/A            |       | N/A                   | 600MG/KG |
| CAS: 470-82-6  | N/A | DERMAL     | N/A            |       | N/A                   | 1 MG/KG  |
| EC: 207-431-5  | N/A | INHALATION | N/A            | N/A   | 1.74MG/M <sup>3</sup> |          |

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|-----------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|
| LINALOOL<br>CAS: 78-70-6<br>N/A<br>EC: 201-134-4                                                          | ORAL<br>DERMAL<br>INHALATION                                             | 1.2MG/KG N/A<br>2.5MG/KG N/A<br>4.1 MG/M <sup>3</sup> N/A                                                                           | 0.2MG/KG N/A<br>1.25MG/KG<br>0.7MG/M <sup>3</sup> N/A |
| D-LIMONENE<br>N/A<br>CAS: 5989-27-5<br>N/A<br>EC: 227-813-5<br>N/A                                        | ORAL<br>DERMAL<br>INHALATION                                             | N/A<br>N/A<br>N/A                                                                                                                   | 4.76MG/KG<br>N/A<br>8.33MG/M <sup>3</sup>             |
| LINALYL ACETATE<br>0.2MG/KG N/A<br>CAS:115-95-7<br>1.25MG/KG<br>EC:204-116-4<br>N/A                       | ORAL<br>DERMAL<br>INHALATION                                             | N/A<br>N/A<br>N/A                                                                                                                   | N/A<br>N/A<br>0.68MG/M <sup>3</sup>                   |
| PIN-2(3)-ENE<br>0.31MG/KG<br>CAS:50-56-8<br>N/A<br>EC: 201-291-9<br>N/A                                   | ORAL<br>N/A<br>DERMAL<br>INHALATION                                      | N/A<br>N/A<br>N/A                                                                                                                   | N/A<br>N/A<br>1.06MG/M <sup>3</sup>                   |
| 7-METHYL-3-METHYLENE<br>OCTA-1,6-DIENE<br>0.42MG/KG<br>CAS: 123-35-3<br>0.42MG/KG<br>EC: 204-622-5<br>N/A | ORAL<br>N/A<br>DERMAL<br>N/A<br>INHALATION                               | N/A<br>N/A<br>N/A                                                                                                                   | N/A<br>N/A<br>1.25MG/M <sup>3</sup>                   |
| CAMPENE<br>ORAL<br>CAS:79-92-5<br>0.1MG/KG N/A<br>EC:201-234-8<br>N/A                                     | DERMAL<br>INHALATION                                                     | 0.625MG/KG N/A<br>0.625MG/KG<br>54.3MG/M <sup>3</sup> N/A                                                                           | 0.1 MG/KG N/A<br>N/A<br>54.3 MG/M <sup>3</sup>        |
| P-MENTA-1,4(8)-DIENE<br>N/A<br>CAS:586-62-9<br>0.26MG/KG<br>EC:209-578-0                                  | ORAL<br>DERMAL<br>N/A<br>INHALATION                                      | N/A<br>N/A<br>N/A                                                                                                                   | 0.26MG/KG<br>N/A<br>0.9MG/M <sup>3</sup> N/A          |
| PNEC:                                                                                                     |                                                                          |                                                                                                                                     |                                                       |
| IDENTIFICATION                                                                                            |                                                                          |                                                                                                                                     |                                                       |
| 1,8-CINEOLE<br>CAS: 470-82-6<br>EC: 207-431-5                                                             | STP 10 MG/L<br>SOIL 0.2 MG/KG<br>INTERMITTENT 0.57 MG/L<br>ORAL 133 G/KG | FRESH WATER 0.057 MG/L<br>MARINE WATER 0.0057 MG/L<br>SEDIMENT (FRESH WATER) 0.06732 MG/KG<br>SEDIMENT (MARINE WATER) 0.00673 MG/KG |                                                       |
| LINALOOL<br>CAS: 78-70-6<br>EC: 201-134-4                                                                 | STP 10 MG/L<br>SOIL 0.327 MG/KG<br>INTERMITTENT 2 MG/L<br>ORAL 7.8 G/KG  | FRESH WATER 0.2 MG/<br>MARINE WATER 0.02 MG/L<br>SEDIMENT (FRESH WATER) 2.22 MG/KG<br>SEDIMENT (MARINE WATER) 0.222 MG/KG           |                                                       |
| D-LIMONENE<br>CAS: 5989-27-5<br>EC: 227-813-5                                                             | STP 1.8 MG/L<br>SOIL 0.262 MG/KG<br>INTERMITTENT N/A<br>ORAL 3.33 G/KG   | FRESH WATER 0.0054 MG/L<br>MARINE WATER 0.00054 MG/L<br>SEDIMENT (FRESH WATER) 1.32 MG/KG<br>SEDIMENT (MARINE WATER) 0.13 MG/KG     |                                                       |
| P-MENTH-1-EN-8-OL<br>CAS: 98-55-5<br>EC: 202-680-6                                                        | STP 2.6 MG/L<br>SOIL 0.329 MG/KG<br>INTERMITTENT N/A<br>ORAL N/A         | FRESH WATER 0.068 MG/L<br>MARINE WATER 0.0068 MG/L<br>SEDIMENT (FRESH WATER) 1.85 MG/KG<br>SEDIMENT (MARINE WATER) 0.185 MG/KG      |                                                       |

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|------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|
|                                                                                                                  | PIN-2(3)-ENE<br>CAS: 80-56-8<br>EC: 201-291-9                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | STP 3.26 MG/L<br>SOIL 0.539 MG/KG<br>INTERMITTENT N/A<br>ORAL 1.35 G/KG           | FRESH WATER 0.004 MG/<br>MARINE WATER 0.0004 MG/L<br>SEDIMENT (FRESH WATER) 1.033 MG/KG<br>SEDIMENT (MARINE WATER) 0.103 MG/KG |
|                                                                                                                  | 7-METHYL-3-METHYLENEOCTA-1,6-DIENE<br>CAS: 123-35-3<br>EC: 204-622-5<br>MG/KG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | STP 0.2 MG/L<br>SOIL 1.015 MG/KG<br>INTERMITTENT N/A<br>ORAL 2.78 G/KG            | FRESH WATER 0.008 MG/L<br>MARINE WATER 0.0008 MG/L<br>SEDIMENT (FRESH WATER) 5.022<br>SEDIMENT (MARINE WATER) 0.502 MG/KG      |
|                                                                                                                  | CAMPHENE<br>CAS: 79-92-5<br>EC: 201-234-8<br>0.00262 MG/KG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | STP 10 MG/L<br>SOIL 0.0211 MG/KG<br>INTERMITTENT 0.00072 MG/L<br>ORAL 2.08 G/KG   | FRESH WATER 0.00072 MG/<br>MARINE WATER 0.000072 MG/L<br>SEDIMENT (FRESH WATER) 0.0262 MG/KG<br>SEDIMENT (MARINE WATER)        |
|                                                                                                                  | P-MENTA-1,4(8)-DIENE<br>CAS: 586-62-9<br>EC: 209-578-0<br>0.0147 MG/KG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | STP 0.2 MG/L<br>SOIL 0.0291 MG/KG<br>INTERMITTENT 0.00634 MG/L<br>ORAL 10.31 G/KG | FRESH WATER 0.000634<br>MARINE WATER 0.0000634 MG/L<br>SEDIMENT (FRESH WATER) 0.147 MG/KG<br>SEDIMENT (MARINE WATER)           |
|                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                   |                                                                                                                                |
| <b>8.2 EXPOSURE CONTROLS</b>  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                   |                                                                                                                                |
| <b>EYE PROTECTION</b>                                                                                            | PROVIDE EYEWASH STATION.( STANDARD: DIN 12 899, ISO 3864-1:2002)<br>PROVIDE EMERGENCY SHOWER. (STANDARD: ANSI Z358-1, ISO 3864-1:2002)                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                   |                                                                                                                                |
| <b>HAND PROTECTION</b>                                                                                           | WEAR PROTECTIVE GLOVES/EYE PROTECTION/FACE PROTECTION.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                   |                                                                                                                                |
| <b>RESPIRATORY EQUIPMENT</b>                                                                                     | AVOID INHALATION. MANDATORY RESPIRATORY TRACT PROTECTION.<br>PPE: FILTER MASK FOR GASES AND VAPOURS<br>LABELLING: CE CAT III<br>CEN STANDARD: EN 405:2001+A1:2009<br>REMARKS: REPLACE WHEN THERE IS A TASTE OR SMELL OF THE CONTAMINANT INSIDE THE FACE MASK. IF THE CONTAMINANT COMES WITH WARNINGS IT IS RECOMMENDED TO USE ISOLATION EQUIPMENT                                                                                                                                                                                                                                                                 |                                                                                   |                                                                                                                                |
| <b>HYGIENE MEASURES</b>                                                                                          | GOOD PERSONAL HYGIENE PRACTICES ARE ALWAYS ADVISABLE, ESPECIALLY WHEN WORKING WITH CHEMICALS / OILS.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                   |                                                                                                                                |
| <b>ENGINEERING MEASURES</b>                                                                                      | PROVIDE ADEQUATE VENTILATION. USE ENGINEERING CONTROLS TO REDUCE AIR CONTAMINATION.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                   |                                                                                                                                |
| <b>SKIN PROTECTION</b>                                                                                           | MANDATORY COMPLETE BODILY PROTECTION.<br>PPE: ANTISTATIC AND FIREPROOF PROTECTIVE CLOTHING.<br>LABELLING: CE CAT III<br>CEN STANDARD: EN 1149-1:2006, EN 1149-2:1997, EN 1149-3:2004, EN 168:2001<br>EN ISO 14116:2008/AC:2009, EN 1149-5:2008<br>REMARKS: LIMITED PROTECTION AGAINST FLAMES.<br>MANDATORY FOOT PROTECTION.<br>PPE: SAFETY FOOTWEAR WITH ANTISTATIC AND HEAT RESISTANT PROPERTIES.<br>LABELLING: CE CAT III<br>CEN STANDARD: EN 13287:2008, EN ISO 20345:2011<br>REMARKS: REPLACE BOOTS AT ANY SIGN OF DETERIORATION.                                                                             |                                                                                   |                                                                                                                                |
| <b>PERSONAL PROTECTION</b>                                                                                       | AS A PREVENTATIVE MEASURE, IT IS RECOMMENDED TO USE BASIC PERSONAL PROTECTION EQUIPMENT, WITH THE CORRESPONDING <<CE MARKING>> IN ACCORDANCE WITH DIRECTIVE 89/686/EC. FOR MORE INFORMATION ON PERSONAL PROTECTION EQUIPMENT (STORAGE, USE, CLEANING, MAINTENANCE, CLASS OF PROTECTION,...) CONSULT THE INFORMATION LEAFLET PROVIDED BY THE MANUFACTURER. FOR MORE INFORMATION, SEE SUBSECTION 7.1. ALL INFORMATION CONTAINED HEREIN IS A RECOMMENDATION, WHICH NEEDS SOME SPECIFICATION FROM THE LABOUR RISK PREVENTION SERVICES AS IT IS NOT KNOWN WHETHER THE COMPANY HAS ADDITIONAL MEASURES AT ITS DISPOSAL. |                                                                                   |                                                                                                                                |
| <b>OTHER PROTECTION</b>                                                                                          | NO ADDITIONAL DATA AVAILABLE.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                   |                                                                                                                                |

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| <b>ENVIRONMENTAL EXPOSURE CONTROLS</b> | <p>IN ACCORDANCE WITH THE COMMUNITY LEGISLATION FOR THE PROTECTION OF THE ENVIRONMENT, IT IS RECOMMENDED TO AVOID ENVIRONMENTAL SPILLAGE OF BOTH THE PRODUCT AND ITS CONTAINER. FOR ADDITIONAL INFORMATION SEE SUBSECTION 7.1.D</p> <p><b>VOLATILE ORGANIC COMPOUNDS:</b></p> <p>WITH REGARD TO DIRECTIVE 2010/75/EU, THIS PRODUCT HAS THE FOLLOWING CHARACTERISTICS:</p> <p>V.O.C. (SUPPLY): 91.81 % WEIGHT</p> <p>V.O.C. DENSITY AT 20°C: 836.41 KG/M<sup>3</sup> (836.86 G/L)</p> <p>AVERAGE CARBON NUMBER: 10</p> <p>AVERAGE MOLECULAR WEIGHT: 151.48 G/MOL</p> |
|----------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|                                                      |                                                                                                                                                                                                      |
|------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>SECTION 9: PHYSICAL &amp; CHEMICAL PROPERTIES</b> |                                                                                                                                                                                                      |
| <b>9.1<br/>PHYSICAL &amp; CHEMICAL PROPERTIES</b>    |                                                                                                                                                                                                      |
| <b>APPEARANCE</b>                                    | MOBILE LIQUID                                                                                                                                                                                        |
| <b>COLOUR</b>                                        | PALE YELLOW                                                                                                                                                                                          |
| <b>ODOUR</b>                                         | CHARACTERISTIC - CINEOLIC, WITH HERBACEOUS ASPECT.                                                                                                                                                   |
| <b>RELATIVE DENSITY</b>                              | APPROX 0.911 @ 20°C                                                                                                                                                                                  |
| <b>FLASH POINT (°C)</b>                              | 51°C                                                                                                                                                                                                 |
| <b>REFRACTIVE INDEX @ 20 °C</b>                      | APPROX 1.462 @ 20°C                                                                                                                                                                                  |
| <b>SOLUBILITY IN WATER @ 20 °C</b>                   | INSOLUBLE IN WATER.                                                                                                                                                                                  |
| <b>9.2<br/>OTHER INFORMATION</b>                     | NO DATA                                                                                                                                                                                              |
| <b>SECTION 10: STABILITY &amp; REACTIVITY</b>        |                                                                                                                                                                                                      |
| <b>10.1<br/>REACTIVITY</b>                           | PRESENTS NO SIGNIFICANT REACTIVITY HAZARDS. STABLE UNDER NORMAL TEMPERATURE CONDITIONS AND RECOMMENDED USE.                                                                                          |
| <b>10.2<br/>CHEMICAL STABILITY</b>                   | STABLE UNDER THE RECOMMENDED HANDLING AND STORAGE CONDITIONS IN SECTION 7.                                                                                                                           |
| <b>10.3<br/>POSSIBILITY OF HAZARDOUS REACTIONS</b>   | NOT EXPECTED UNDER NORMAL CONDITIONS OF USE.                                                                                                                                                         |
| <b>10.4<br/>CONDITIONS TO AVOID</b>                  | KEEP AWAY FROM HEAT, HOT SURFACES, SPARKS, OPEN FLAMES AND OTHER IGNITION SOURCES. PREVENT STORING THE PRODUCT IN OPEN CONTAINERS FOR LONG PERIODS TO PREVENT PRODUCT DETERIORATION.                 |
| <b>10.5<br/>INCOMPATIBLE MATERIALS</b>               | AVOID CONTACT WITH COMBUSTIVE MATERIALS, STRONG ACIDS, ALKALIS OR OXIDISING AGENTS.                                                                                                                  |
| <b>10.6<br/>HAZARDOUS DECOMPOSITION PRODUCTS</b>     | <p>NOT EXPECTED UNDER NORMAL TEMPERATURE CONDITIONS AND RECOMMENDED USE.</p> <p>THERMAL DECOMPOSITION MAY RELEASE/FORM OXIDES OF CARBON (CARBON MONOXIDE, CARBON DIOXIDE) AND OTHER TOXIC GASES.</p> |

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## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1

#### TOXICOLOGICAL EFFECTS

|                                        |                                               |
|----------------------------------------|-----------------------------------------------|
| <b>ACUTE TOXICITY</b>                  | NOT CLASSIFIED.                               |
| <b>SKIN IRRITATION</b>                 | CAUSES SKIN IRRITATION.                       |
| <b>EYE DAMAGE OR IRRITATION</b>        | CAUSES 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 DATA.                                      |

## SECTION 12: ECOLOGICAL INFORMATION

|                          |                                                                                                                  |            |                     |                     |
|--------------------------|------------------------------------------------------------------------------------------------------------------|------------|---------------------|---------------------|
| <b>12.1<br/>TOXICITY</b> | THE EXPERIMENTAL INFORMATION RELATED TO THE ECO-TOXICOLOGICAL PROPERTIES OF THE PRODUCT ITSELF IS NOT AVAILABLE. |            |                     |                     |
|                          | IDENTIFICATION                                                                                                   |            | ACUTE TOXICITY      | SPECIES             |
|                          | LINALOOL                                                                                                         | LC50       | 27.8 MG/L (96 H)    | ONCORHYNCHUS MYKISS |
|                          | FISH                                                                                                             |            |                     |                     |
|                          | CAS: 78-70-6                                                                                                     | EC50       | 59 MG/L (48 H)      | DAPHNIA             |
|                          | MAGNA                                                                                                            | CRUSTACEAN |                     |                     |
|                          | EC: 201-134-4                                                                                                    | EC50       | 88.3 MG/L (96 H)    | SCENEDESMUS         |
|                          | SUBSPICATUS                                                                                                      | ALGAE      |                     |                     |
|                          | D-LIMONENE                                                                                                       | LC50       | 0.1 - 1 MG/L (96 H) |                     |
|                          | FISH                                                                                                             |            |                     |                     |
|                          | CAS: 5989-27-5                                                                                                   | EC50       | 0.1 - 1 MG/L (48 H) |                     |
|                          | CRUSTACEAN                                                                                                       |            |                     |                     |
|                          | EC: 227-813-5                                                                                                    | EC50       | 0.1 - 1 MG/L        |                     |
|                          | ALGAE                                                                                                            |            |                     |                     |
|                          | P-MENTH-1-EN-8-OL                                                                                                | LC50       | 10 MG/L (96 H)      | SALMO GAIRDNERI     |
|                          | FISH                                                                                                             |            |                     |                     |
|                          | CAS: 98-55-5                                                                                                     | EC50       | N/A                 |                     |
|                          | EC: 202-680-6                                                                                                    | EC50       | N/A                 |                     |
|                          | LINALYL ACETATE                                                                                                  | LC50       | 11 MG/L (96 H)      | CYPRINUS            |
|                          | CARPIO                                                                                                           | FISH       |                     |                     |
|                          | CAS: 115-95-7                                                                                                    | EC50       | 15 MG/L (48 H)      | DAPHNIA             |
|                          | MAGNA                                                                                                            | CRUSTACEAN |                     |                     |
|                          | EC: 204-116-4                                                                                                    | EC50       | 62 MG/L (72 H)      |                     |
|                          | DESMODESMUS SUBSPICATUS                                                                                          | ALGAE      |                     |                     |
|                          | CAMPHENE                                                                                                         | LC50       | 0.72 MG/L (96 H)    | BRACHYDANIO RERIO   |
|                          | FISH                                                                                                             |            |                     |                     |
|                          | CAS: 79-92-5                                                                                                     | EC50       | 46 MG/L (24 H)      | DAPHNIA             |
|                          | MAGNA                                                                                                            | CRUSTACEAN |                     |                     |
|                          | EC: 201-234-8                                                                                                    | EC50       | N/A                 |                     |
|                          | P-MENTA-1,4(8)-DIENE                                                                                             | LC50       | 0.8 MG/L (96 H)     | DANIO RERIO         |
|                          | FISH                                                                                                             |            |                     |                     |
|                          | CAS: 586-62-9                                                                                                    | EC50       | 0.63 MG/L (48 H)    | DAPHNIA MAGNA       |
|                          | CRUSTACEAN                                                                                                       |            |                     |                     |
|                          | EC: 209-578-0                                                                                                    | EC50       | 0.7 MG/L (72 H)     |                     |
|                          | PSEUDOKIRCHNERIELLA SUBCAPITATA                                                                                  | ALGAE      |                     |                     |

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|-------------------------------------|-------------------|-----------|---------------------------|-----|
| 12.2<br>PERSISTENCE & DEGRADABILITY | IDENTIFICATION    |           | DEGRADABILITY             |     |
|                                     | BIODEGRADABILITY  |           |                           |     |
|                                     | LINALOOL          | BOD5      | N/A                       |     |
|                                     | CONCENTRATION     |           | 100 MG/L                  |     |
|                                     | CAS: 78-70-6      | COD       | N/A                       |     |
|                                     | PERIOD            |           | 28 DAYS                   |     |
|                                     | EC: 201-134-4     | BOD5/COD  | 0.55                      |     |
|                                     | % BIODEGRADABLE   |           | 90 %                      |     |
|                                     | D-LIMONENE        |           | BOD5                      | N/A |
|                                     | CONCENTRATION     |           | N/A                       | N/A |
|                                     | CAS: 5989-27-5    | COD       | N/A                       | N/A |
|                                     | PERIOD            |           | 28 DAYS                   |     |
|                                     | EC: 227-813-5     | BOD5/COD  |                           | N/A |
|                                     | % BIODEGRADABLE   |           | 100 %                     |     |
|                                     | P-MENTH-1-EN-8-OL |           | BOD5                      | N/A |
|                                     | CONCENTRATION     |           | 100 MG/L                  |     |
|                                     | CAS: 98-55-5      | COD       | N/A                       |     |
|                                     | PERIOD            |           | 14 DAYS                   |     |
|                                     | EC: 202-680-6     | BOD5/COD  | N/A                       |     |
|                                     | % BIODEGRADABLE   |           | 84.6 %                    |     |
|                                     | LINALYL ACETATE   |           | BOD5                      | N/A |
|                                     | CONCENTRATION     |           | 81 MG/L                   |     |
|                                     | CAS: 115-95-7     | COD       | N/A                       |     |
|                                     | PERIOD            |           | 28 DAYS                   |     |
|                                     | 204-116-4         | BOD5/COD  | N/A                       |     |
|                                     | % BIODEGRADABLE   |           | 80 %                      |     |
|                                     | PIN-2(3)-ENE      |           | BOD5                      | N/A |
|                                     | CONCENTRATION     |           | 100 MG/L                  |     |
|                                     | CAS: 80-56-8      | COD       | N/A                       |     |
|                                     | PERIOD            |           | 28 DAYS                   |     |
|                                     | EC: 201-291-9     | BOD5/COD  | N/A                       |     |
|                                     | % BIODEGRADABLE   |           | 95 %                      |     |
| 7-METHYL-3-METHYLENE OCTA-1,6-DIENE |                   | BOD5      | N/A                       |     |
| CONCENTRATION                       |                   | 100 MG/L  |                           |     |
| CAS: 123-35-3                       | COD               | N/A       |                           |     |
| PERIOD                              |                   | 14 DAYS   |                           |     |
| EC: 204-622-5                       | BOD5/COD          | N/A       |                           |     |
| % BIODEGRADABLE                     |                   | 86 %      |                           |     |
| CAMPHENE                            |                   | BOD5      | N/A                       |     |
| CONCENTRATION                       |                   | 100 MG/L  |                           |     |
| CAS: 79-92-5                        | COD               | N/A       |                           |     |
| PERIOD                              |                   | 28 DAYS   |                           |     |
| EC: 201-234-8                       | BOD5/COD          | N/A       |                           |     |
| % BIODEGRADABLE                     |                   | 4 %       |                           |     |
| P-MENTA-1,4(8)-DIENE                |                   | BOD5      | N/A                       |     |
| CONCENTRATION                       |                   | 2 MG/L    |                           |     |
| CAS: 586-62-9                       | COD               | N/A       |                           |     |
| PERIOD                              |                   | 28 DAYS   |                           |     |
| EC: 209-578-0                       | BOD5/COD          | N/A       |                           |     |
| % BIODEGRADABLE                     |                   | 81 %      |                           |     |
| 12.3<br>BIO- ACCUMULATIVE POTENTIAL | IDENTIFICATION    |           | BIOACCUMULATION POTENTIAL |     |
|                                     | 1,8-CINEOLE       |           | BCF                       |     |
|                                     | CAS: 470-82-6     |           | POW LOG 2.74              |     |
|                                     | EC: 207-431-5     |           | POTENTIAL                 |     |
|                                     | LINALOOL          |           | BCF 39                    |     |
|                                     | CAS: 78-70-6      |           | POW LOG 2.97              |     |
|                                     | EC: 201-134-4     | POTENTIAL | MODERATE                  |     |

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|                                        | D-LIMONENE<br>CAS: 5989-27-5<br>EC: 227-813-5                        |         | BCF<br>POW LOG 4.83<br>POTENTIAL HIGH       | 660                      |
|                                        | P-MENTH-1-EN-8-OL<br>CAS: 98-55-5<br>EC: 202-680-6                   | BCF     | 110<br>POW LOG 2.98<br>POTENTIAL HIGH       |                          |
|                                        | LINALYL ACETATE<br>CAS: 115-95-7<br>EC: 204-116-4                    |         | BCF<br>POW LOG 3.9<br>POTENTIAL HIGH        | 174                      |
|                                        | PIN-2(3)-ENE<br>CAS: 80-56-8<br>EC: 201-291-9                        |         | BCF<br>POW LOG 4.83<br>POTENTIAL VERY HIGH  | 2800                     |
|                                        | 7-METHYL-3-METHYLENEOCTA-1,6-DIENE<br>CAS: 123-35-3<br>EC: 204-622-5 | BCF     | 324<br>POW LOG 5.29<br>POTENTIAL HIGH       |                          |
|                                        | CAMPHENE<br>CAS: 79-92-5<br>EC: 201-234-8                            | BCF     | 1290<br>POW LOG 4.22<br>POTENTIAL VERY HIGH |                          |
|                                        | P-MENTA-1,4(8)-DIENE<br>CAS: 586-62-9<br>EC: 209-578-0               | BCF     | 334<br>POW LOG 4.29<br>POTENTIAL HIGH       |                          |
| <b>12.4</b><br><b>MOBILITY IN SOIL</b> | <b>IDENTIFICATION</b>                                                |         | <b>ABSORPTION/DESORPTION</b>                |                          |
|                                        | <b>VOLATILITY</b>                                                    |         |                                             |                          |
|                                        | 1,8-CINEOLE                                                          |         | KOC                                         | N/A                      |
|                                        | HENRY                                                                | N/A     | CONCLUSION                                  | N/A                      |
|                                        | CAS: 470-82-6                                                        |         |                                             |                          |
|                                        | DRY SOIL                                                             | N/A     | SURFACE TENSION                             | 3.24E-2 N/m (25 °C)      |
|                                        | EC: 207-431-5                                                        |         |                                             |                          |
|                                        | MOIST SOIL                                                           | N/A     |                                             |                          |
|                                        | D-LIMONENE                                                           |         | KOC                                         | 6324                     |
|                                        | HENRY                                                                | N/A     | CONCLUSION                                  |                          |
|                                        | CAS: 5989-27-5                                                       |         |                                             |                          |
|                                        | DRY SOIL                                                             | N/A     | SURFACE TENSION                             | 2.675E-2 N/m (25 °C)     |
|                                        | EC: 227-813-5                                                        |         |                                             |                          |
|                                        | MOIST SOIL                                                           | N/A     |                                             |                          |
|                                        | LINALYL ACETATE                                                      |         | KOC                                         | 518                      |
|                                        | HENRY                                                                | 1.77E+2 | PA·M <sup>3</sup> /MOL                      |                          |
|                                        | CAS: 115-95-7                                                        |         | CONCLUSION                                  | LOW                      |
|                                        | DRY SOIL                                                             | YES     | SURFACE TENSION                             | N/A                      |
|                                        | EC: 204-116-4                                                        |         |                                             |                          |
|                                        | MOIST SOIL                                                           | YES     |                                             |                          |
|                                        | PIN-2(3)-ENO                                                         |         | KOC                                         | N/A                      |
|                                        | HENRY                                                                | N/A     | CONCLUSION                                  | N/A                      |
|                                        | CAS: 80-56-8                                                         |         |                                             |                          |
|                                        | DRY SOIL                                                             | N/A     | SURFACE TENSION                             | 2.587E-2 N/m (25 °C)     |
|                                        | EC: 201-291-9                                                        |         |                                             |                          |
|                                        | MOIST SOIL                                                           | N/A     |                                             |                          |
|                                        | 7-METHYL-3-METHYLENEOCTA-1,6-DIENE                                   | KOC     | 1300                                        | HENRY                    |
|                                        | 6.515E+3 PA·M <sup>3</sup> /MOL                                      |         |                                             |                          |
|                                        | CAS: 123-35-3                                                        |         | CONCLUSION                                  | LOW                      |
|                                        | DRY SOIL                                                             | N/A     | SURFACE TENSION                             | N/A                      |
|                                        | EC: 204-622-5                                                        |         |                                             |                          |
|                                        | MOIST SOIL                                                           | YES     |                                             |                          |
|                                        | CAMPHENE                                                             | KOC     | N/A                                         |                          |
|                                        | HENRY                                                                | N/A     | CONCLUSION                                  | N/A                      |
|                                        | CAS: 79-92-5                                                         |         |                                             |                          |
|                                        | DRY SOIL                                                             | N/A     | SURFACE TENSION                             | 1.098E-2 N/m (205.93 °C) |
|                                        | EC: 201-234-8                                                        |         |                                             |                          |

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|                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                            | MOIST SOIL N/A<br><br>P-MENTA-1,4(8)-DIENE KOC 1120<br>HENRY N/A<br>CAS: 586-62-9 CONCLUSION LOW<br>DRY SOIL N/A<br>EC: 209-578-0 SURFACE TENSION 2.865E-2 N/m (25 °C)<br>MOIST SOIL N/A                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>12.5</b><br><b>RESULTS OF PBT &amp; VPVB ASSESSMENT</b> | PBT: NOT APPLICABLE. VPVB: NOT APPLICABLE.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>12.6</b><br><b>OTHER ADVERSE EFFECTS</b>                | DO NOT ALLOW PRODUCT TO ENTER STREAMS, SEWERS OR OTHER WATERWAYS.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>SECTION 13: DISPOSAL INFORMATION</b>                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>13.1</b><br><b>WASTE TREATMENT METHODS</b>              | DO NOT ALLOW ENTRY INTO DRAINS OR WATERWAYS.<br><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.<br><b>SOILED PACKAGING:</b><br>EMPTY CONTAINER COMPLETELY. KEEP LABEL(S) ON CONTAINER.<br>DISPOSE OF VIA A CERTIFIED DISPOSAL CONTRACTOR. |

|                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|--------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>SECTION 14: TRANSPORT INFORMATION</b>         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>14.1</b><br><b>TRANSPORT INFORMATION</b>      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>UN NUMBER</b>                                 | ROAD: 1169<br>RAIL: 1169<br>AIR: 1169                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>14.2</b><br><b>UN SHIPPING NAME</b>           | UN1169=EXTRACTS, AROMATIC, LIQUID                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>14.3</b><br><b>TRANSPORT HAZARD CLASS(ES)</b> | <b>ADR/RID</b><br>ADR/RID— CLASS 3<br>ADR CLASSIFICATION CODE — F1<br>SPECIAL PROVISIONS — 601 604E<br>LIMITED QUANTITIES — 5L<br>EXPECTED QUANTITIES — E1<br>EMERGENCY ACTION CODE — 3Y<br>TUNNEL RESTRICTION CODE — D/E<br><br><b>IMDG</b><br>IMDG — CLASS 3<br>SPECIAL PROVISIONS — 601 640E<br>LIMITED QUANTITIES — 5L<br>EXPECTED QUANTITIES — E1<br>IMDG EMS — F-E, S-D<br>STOWAGE AND HANDLING — CATEGORY A<br><br><b>ICAO/IATA</b><br>ICAO/IATA— CLASS 3 |

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|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                   | <p>IATA PROPER SHIPPING NAME - EXTRACTS, AROMATIC, LIQUID<br/>EXPECTED QUANTITIES – E1</p> <p>TRANSPORT LABELS</p> <p>TRANSPORT LABELS</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| 14.4<br>PACKING GROUP                                                             | <p>ADR/RID PACKING GROUP III</p> <p>IMDG PACKING GROUP III</p> <p>ICAO PACKING GROUP III</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 14.5<br>ENVIROMENTAL HAZARDS                                                      | <p>ENVIRONMENTALLY HAZARDOUS SUBSTANCE/MARINE POLLUTANT</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 14.6<br>SPECIAL PRECAUTIONS FOR USER                                              | SEE SECTIONS 6 – 8.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 14.7<br>TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL73/78 & THE IBC CODE.    | NO ADDITIONAL DATA AVAILABLE.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>SECTION 15: REGULATORY INFORMATION</b>                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 15.1<br>PRODUCT SPECIFIC SAFETY, HEALTH & ENVIRONMENTAL REGULATIONS & LEGISLATION |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <p><b>EU DIRECTIVES</b></p>                                                       | <p><u>STATUTORY INSTRUMENTS</u><br/>THE CHEMICALS (HAZARD INFORMATION AND PACKAGING FOR SUPPLY) REGULATIONS 2009 (S.I. 2009 No. 716).</p> <p><u>GUIDANCE NOTES</u><br/>WORKPLACE EXPOSURE LIMITS EH40. CHIP FOR EVERYONE HSG(108).</p> <p><u>EU LEGISLATION</u><br/>REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL OF 18 DECEMBER 2006 CONCERNING THE REGISTRATION, EVALUATION, AUTHORISATION AND RESTRICTION OF CHEMICALS (REACH), ESTABLISHING A EUROPEAN CHEMICALS AGENCY, AMENDING DIRECTIVE 1999/45/EC AND REPEALING COUNCIL REGULATION (EEC) No 793/93 AND COMMISSION REGULATION (EC) No 1488/94 AS WELL AS COUNCIL DIRECTIVE 76/769/EEC AND COMMISSION DIRECTIVES 91/155/EEC, 93/67/EEC, 93/105/EC AND 2000/21/EC, INCLUDING AMENDMENTS.</p> <p><u>LIMITATIONS TO COMMERCIALISATION AND THE USE OF CERTAIN DANGEROUS SUBSTANCES AND MIXTURES (ANNEX XVII REACH, ETC ....):</u><br/>SHALL NOT BE USED, AS SUBSTANCE OR AS MIXTURES IN AEROSOL DISPENSERS WHERE THESE AEROSOL DISPENSERS ARE INTENDED FOR SUPPLY TO THE GENERAL PUBLIC FOR ENTERTAINMENT AND DECORATIVE PURPOSES SUCH AS THE FOLLOWING:<br/>— METALLIC GLITTER INTENDED MAINLY FOR DECORATION,<br/>— ARTIFICIAL SNOW AND FROST,<br/>— “WHOOPEE” CUSHIONS,<br/>— SILLY STRING AEROSOLS,<br/>— IMITATION EXCREMENT,<br/>— HORNS FOR PARTIES,<br/>— DECORATIVE FLAKES AND FOAMS,<br/>— ARTIFICIAL COBWEBS,<br/>— STINK BOMBS.</p> |
| <b>STATUTORY INSTRUMENTS</b>                                                      | THE CHEMICALS (HAZARD INFORMATION & PACKAGING FOR SUPPLY REGULATIONS 2009 (S.I.2009                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

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|                                            |                                                                                                                                 |
|--------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|
|                                            | No 716).                                                                                                                        |
| <b>APPROVED CODE OF PRACTICE</b>           | CLASSIFICATION & LABELLING OF SUBSTANCES & PREPARATIONS DANGEROUS FOR SUPPLY. SAFETY DATA 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> | NO DATA                                                                                                                         |

## SECTION 16: OTHER INFORMATION

|                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| HAZARD AND/ OR PRECAUTIONARY STATEMENTS IN FULL                                    | H226 FLAMMABLE LIQUID AND VAPOUR.<br>H228 FLAMMABLE SOLID.<br>H302 HARMFUL IF SWALLOWED.<br>H304 MAY BE FATAL IF SWALLOWED AND ENTERS AIRWAYS.<br>H315 CAUSES SKIN IRRITATION.<br>H317 MAY CAUSE AN ALLERGIC SKIN REACTION.<br>H319 CAUSES SERIOUS EYE IRRITATION.<br>H361 SUSPECTED OF DAMAGING FERTILITY OR THE UNBORN CHILD.<br>H400 VERY TOXIC TO AQUATIC LIFE.<br>H410 VERY TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS.<br>H411 TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS. |
| <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 |
|-----------|--------------------|
| JUNE 2020 | DATA LAUNCH        |
| 2021      | REVIEW             |
|           |                    |

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## IFRA STATEMENT

PRODUCT NAME: **MARJORAM (SPANISH), ESSENTIAL OIL**

PRODUCT INCI: THYMUS MASTICHINA HERB OIL

PRODUCT CODE: K0895

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 | ≤ 3.00             | Specification |
| Linalool             | 78-70-6   | ≤ 15.00            | Specification |
| Citral               | 5392-40-5 | ≤ 0.07             | Restriction   |
| Citronellol          | 106-22-9  | ≤ 0.02             | Restriction   |
| Eugenol              | 97-53-0   | ≤ 0.02             | Restriction   |
| Geraniol             | 106-24-1  | ≤ 0.07             | Restriction   |

### **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.

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| IFRA Category     | % Maximum Use Level |
|-------------------|---------------------|
| IFRA Category 1   | Not restricted      |
| IFRA Category 2   | 45.71               |
| IFRA Category 3   | Not restricted      |
| IFRA Category 4   | Not restricted      |
| IFRA Category 5A  | Not restricted      |
| IFRA Category 5B  | Not restricted      |
| IFRA Category 5C  | Not restricted      |
| IFRA Category 5D  | 72.86               |
| IFRA Category 6   | Not restricted      |
| IFRA Category 7A  | Not restricted      |
| IFRA Category 7B  | Not restricted      |
| IFRA Category 8   | 72.86               |
| IFRA Category 9   | Not restricted      |
| IFRA Category 10A | Not restricted      |
| IFRA Category 10B | Not restricted      |
| IFRA Category 11A | 72.86               |
| IFRA Category 11B | 72.86               |
| IFRA Category 12  | Not restricted      |

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| 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, fragrancing 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 fragrancing of all types (concentrated aerosol with metered doses (range 0.05-0.5mL/spray), plug-ins, closed systems, solid substrate, membrane delivery, electrical, powders, fragrancing 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: **MARJORAM (SPANISH), ESSENTIAL OIL**

PRODUCT CODE: K0895

### COSMETIC ALLERGENS

| Annex IIIa<br>Reference: |                                                 | CAS NUMBER: | TOTAL ALLERGEN<br>INCLUSION (%): |
|--------------------------|-------------------------------------------------|-------------|----------------------------------|
| 67                       | AMYL CINNAMAL                                   | 122-40-7    | 0.000                            |
| 68                       | BENZYL ALCOHOL                                  | 100-51-6    | 0.000                            |
| 69                       | CINNAMYL ALCOHOL                                | 104-54-1    | 0.000                            |
| 70                       | CITRAL                                          | 5392-40-5   | ≤ 0.07                           |
| 71                       | EUGENOL                                         | 97-53-0     | ≤ 0.02                           |
| 72                       | HYDROXY-CITRONELLAL                             | 107-75-5    | 0.000                            |
| 73                       | ISO EUGENOL                                     | 97-54-1     | 0.000                            |
| 74                       | AMYL CINNAMYL ALCOHOL                           | 101-85-9    | 0.000                            |
| 75                       | BENZYL SALICYLATE                               | 118-58-1    | 0.000                            |
| 76                       | CINNAMAL                                        | 104-55-2    | 0.000                            |
| 77                       | COUMARIN                                        | 91-64-5     | 0.000                            |
| 78                       | GERANIOL                                        | 106-24-1    | ≤ 0.07                           |
| 79                       | HYDROXYISOHEXYL 3-CYCLOHEXENE<br>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   | 0.000                            |
| 83                       | BUTYLPHENYL METHYLPROPIONAL                     | 80-54-6     | 0.000                            |
| 84                       | LINALOOL                                        | 78-70-6     | ≤ 15.00                          |
| 85                       | BENZYL BENZOATE                                 | 120-51-4    | 0.000                            |
| 86                       | CITRONELLOL                                     | 106-22-9    | ≤ 0.02                           |
| 87                       | HEXYL CINNAM-ALDEHYDE                           | 101-86-0    | 0.000                            |
| 88                       | LIMONENE                                        | 5989-27-5   | ≤ 3.00                           |
| 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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