





## Material Safety Data Sheet

EU Regulation: 1907/2006

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

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| <b>1.1<br/>PRODUCT IDENTIFICATION</b>                           |  |
| <b>PRODUCT NAME</b>   | Essential oils - Orange blossom (Neroli) - Etherische olie - Sinaasappelbloesem (Neroli) |
| <b>SYNONYMS &amp; TRADE NAMES</b>                               | -  |
| <b>INTERNAL PRODUCT CODE</b>                                    | SQ0150302 - EO055  |
| <b>INCI Listing</b>   | Citrus Aurantium Amara Flower Oil  |
| <b>CAS Number</b>   | 68916-04-1 / 72968-50-4  |
| <b>EINCS Number</b>   | 277-143-2  |
| <b>1.2<br/>DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET</b> |  |
| <b>COMPANY ADDRESS</b>  | SoapQueen vof, Veilingdreef 20<br>4614RX Bergen op Zoom, Nederland                       |
| <b>1.3<br/>DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET</b> |  |
| <b>EMERGENCY CONTACTS</b>                                       | (+31 (0)1 64 254900 - Office Hours: 09:00 - 17:00 (weekdays only)                        |


| <b>SECTION 2: HAZARDS IDENTIFICATION</b>                        |   |
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| <b>2.1</b><br><b>CLASSIFICATION OF THE SUBSTANCE OR MIXTURE</b> | THE FULL TEXT FOR ALL HAZARD STATEMENTS IS DISPLAYED IN SECTION 16.   |
| <b>CLASSIFICATION (EU1272/2008)</b>                             | <b>PHYSICAL HAZARDS:</b> NOT CLASSIFIED<br><b>HEALTH HAZARDS:</b> ASP Tox 1 - H304, SKIN IRRIT. 2 - H315, SKIN SENS. 1B H317, EYE DAM. 1 – H318<br><b>ENVIRONMENTAL HAZARDS:</b> AQUATIC ACUTE 1 – H400, AQUATIC CHRONIC 1 - H410   |
| <b>2.2</b><br><b>LABEL ELEMENTS</b>                             | LABEL IN ACCORDANCE WITH REGULATION (EC) NO 1272/2008.  |
| <b>GHS LABEL</b>  |    <br>GHS05                      GHS07                      GHS08                      GHS09   |
| <b>SIGNAL WORD</b>  | DANGER.   |
| <b>CONTAINS</b>   | D-LIMONENE, BETA-PINENE   |
| <b>HAZARDS STATEMENT</b>  | H304 MAY BE FATAL IF SWALLOWED AND ENTERS AIRWAYS.<br>H315 CAUSES SKIN IRRITATION.<br>H317 MAY CAUSE AN ALLERGIC SKIN REACTION.<br>H318 CAUSES SERIOUS EYE DAMAGE.<br>H410 VERY TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS.<br>EU HAZARD STATEMENTS:<br>EUH208 - CONTAINS ALPHA-PINENE (80-56-8), D-LIMONENE (5989-27-5), LINALOOL (78-70-6), GERANYL ACETATE (105-87-3), GERANIOL (106-24-1), FARNESOL (4602-84-0), CITRAL (5392-40-5), BETA-PINENE (127-91-3), NEROL (106-25-2), LINALYL ACETATE (115-95-7), NERYL ACETATE (141-12-8), TRANS-NEROLIDOL (40716-66-3), NEROLIDOL (ISOMER UNSPECIFIED) (7212-44-4). MAY PRODUCE AN ALLERGIC REACTION. |
| <b>PRECAUTIONARY STATEMENTS</b>                                 | P273 AVOID RELEASE TO THE ENVIRONMENT.<br>P301+P310 IF SWALLOWED: IMMEDIATELY CALL A POISON CENTER OR 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>P310 IMMEDIATELY CALL A POISON CENTER OR DOCTOR.<br>P331 DO NOT INDUCE VOMITING.<br>P501 DISPOSE OF CONTENTS IN ACCORDANCE WITH LOCAL, STATE OR NATIONAL LEGISLATION.   |
| <b>SUPPLEMENTARY PRECAUTIONARY STATEMENTS</b>                   | P264 WASH HANDS AND EXPOSED SKIN THOROUGHLY AFTER HANDLING.   |
| SECTION 16 (OTHER INFORMATION): RISK & SAFETY PHRASES IN FULL.  |   |
| <b>2.3</b><br><b>OTHER HAZARDS</b>                              |   |
| <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>                      | NO DATA   |
| <b>SECTION 3: COMPOSITION OF INGREDIENTS</b>                    |   |

**3.2 MIXTURES**

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| <b>≤ 45.7% LINALOOL</b>  | CAS No.: 78-70-6 EC No.: 201-134-4   |
| CLASSIFICATION (EC 1272/2008) SKIN IRRIT. 2 - H315, SKIN SENS. 1B - H317, EYE IRRIT. 2 - H319  |                                      |
| <b>≤ 15.0% D-LIMONENE</b>  | CAS No: 5989-27-5 EC No: 227-813-5   |
| 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 |                                      |
| <b>10 - 20% BETA-PINENE</b>  | CAS: 127-91-3 EC: 204-872-5          |
| 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    |                                      |
| <b>5 - 10% LINALYL ACETATE</b>   | CAS No: 115-95-7 EC No: 204-116-4    |
| CLASSIFICATION (EC 1272/2008) SKIN IRRIT. 2 - H315, SKIN SENS. 1 - H317, EYE IRRIT. 2 - H319   |                                      |
| <b>≤ 6.2 % GERANIOL</b>  | CAS No: 106-24-1 EC No: 203-377-1    |
| CLASSIFICATION (EC 1272/2008) SKIN IRRIT. 2 - H315, SKIN SENS. 1 - H317, EYE DAM. 1 - H318   |                                      |
| <b>1 - 5% TRANS-BETA-OCIMENE</b>   | CAS No: 3779-61-1 EC No: 223-241-5   |
| CLASSIFICATION (EC 1272/2008) FLAM. LIQ. 3, H226, ASP. TOX. 1, H304, SKIN IRRIT. 2, H315, AQUATIC ACUTE 1, H400, AQUATIC CHRONIC 2, H411                           |                                      |
| <b>1 - 5% GERANYL ACETATE</b>  | CAS No: 105-87-3 EC No: 203-341-5    |
| CLASSIFICATION (EC 1272/2008) SKIN IRRIT. 2 - H315, SKIN SENS. 1B - H317, AQUATIC CHRONIC 3 - H412   |                                      |
| <b>1 - 5% ALPHA-TERPINEOL</b>  | CAS No: 98-55-5 EC No: 202680-6      |
| CLASSIFICATION (EC 1272/2008) SKIN IRRIT. 2 - H315, EYE IRRIT. 2 - H319  |                                      |
| <b>1 - 5% MYRCENE</b>  | CAS No: 123-35-3 EC No: 204-622-5    |
| 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       |                                      |
| <b>1 - 5% CIS-BETA-OCIMENE</b>   | CAS No: 3338-55-4 EC No: 222-081-3   |
| CLASSIFICATION (EC 1272/2008) FLAM. LIQ. 3, H226, ASP. TOX. 1, H304, SKIN IRRIT. 2, H315, AQUATIC ACUTE 1, H400, AQUATIC CHRONIC 2, H411                           |                                      |
| <b>1 - 5% NERYL ACETATE</b>  | CAS No: 141-12-8 EC No: 205-459-2    |
| CLASSIFICATION (EC 1272/2008) SKIN SENS. 1B, H317  |                                      |
| <b>1 - 5% NEROL</b>  | CAS No: 106-25-2 EC No: 203-378-7    |
| CLASSIFICATION (EC 1272/2008) SKIN IRRIT. 2 - H315, SKIN SENS. 1 - H317, EYE IRRIT. 2 - H319   |                                      |
| <b>1 - 5% NEROLIDOL (ISOMER UNSPECIFIED)</b>   | CAS No: 7212-44-4, EC No: 230-597-5  |
| CLASSIFICATION (EC 1272/2008) SKIN SENS. 1B - H317, EYE IRRIT. 2 - H319, AQUATIC ACUTE 1 - H400, AQUATIC CHRONIC 1 - H410  |                                      |
| <b>1 - 5% TRANS NEROLIDOL</b>  | CAS No: 40716-66-3, EC No: 255-053-4 |
| CLASSIFICATION (EC 1272/2008) SKIN SENS. 1B - H317, EYE IRRIT. 2 - H319, AQUATIC ACUTE 1 - H400, AQUATIC CHRONIC 1 - H410  |                                      |
| <b>1 - 5% ALPHA-PINENE</b>   | CAS No: 80-56-8 EC No: 201-291-9     |
| CLASSIFICATION (EC 1272/2008) FLAM. LIQ. 3 - H226, ACUTE TOX. 4 - H302, ASP. TOX. 1 - H304, SKIN IRRIT. 2 - H315, SKIN SENS. 1 - H317                              |                                      |
| <b>≤ 1% FARNESOL</b>   | CAS No: 4602-84-0 EC No: 225-004-1   |
| CLASSIFICATION (EC 1272/2008) SKIN IRRIT. 2 - H315, SKIN SENS. 1 - H317, AQUATIC ACUTE 1 - H400, AQUATIC CHRONIC 1 - H410  |                                      |
| <b>≤ 1% 3,7-DIMETHYL-1,3,6-OCTATRIENE</b>  | CAS No: 13877-91-3 EC No: 237-641-2  |
| CLASSIFICATION (EC 1272/2008) FLAM. LIQ. 3, H226, ASP. TOX. 1, H304, SKIN IRRIT. 2, H315, AQUATIC ACUTE 1, H400, AQUATIC CHRONIC 2, H411                           |                                      |
| <b>≤ 1% P-MENTHA-1,4-DIENE (GAMMA-TERPINENE)</b>   | CAS No: 99-85-4 EC No: 202-794-6     |
| CLASSIFICATION (EC 1272/2008) FLAM. LIQ. 3, H226, REPR. 2, H361, AQUATIC CHRONIC 2, H411   |                                      |
| <b>≤ 0.2% CITRAL</b>   | CAS No: 5392-40-5 EC No: 226-394-6   |
| CLASSIFICATION (EC 1272/2008) SKIN IRRIT. 2, H315, SKIN SENS. 1, H317, EYE IRRIT. 2, H319  |                                      |

| <b>SECTION 4: FIRST AID MEASURES</b>   |  |
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| <b>4.1</b><br><b>DESCRIPTION OF FIRST AID MEASURES</b>   |  |
| <b>GENERAL INFORMATION</b>   | ALWAYS REMOVE CONTAMINATED CLOTHING IMMEDIATELY.   |
| <b>INHALATION</b>  | GET MEDICAL ATTENTION IMMEDIATELY. REMOVE FROM EXPOSURE SITE TO FRESH AIR, KEEP AT REST, AND OBTAIN MEDICAL ATTENTION.   |
| <b>INGESTION</b>   | DO NOT INDUCE VOMITING. INGESTION MAY CAUSE NAUSEA AND VOMITING. IMMEDIATELY RINSE MOUTH AND PROVIDE FRESH AIR. GET MEDICAL ADVICE/ATTENTION.  |
| <b>SKIN CONTACT</b>  | REMOVE CONTAMINATED CLOTHES. WASH THOROUGHLY WITH SOAP AND WATER. CONTACT PHYSICIAN.   |
| <b>EYE CONTACT</b>   | FLUSH IMMEDIATELY WITH WATER FOR AT LEAST 15 MINUTES. CONTACT PHYSICIAN.   |
| <b>4.2</b><br>MOST IMPORTANT SYMPTOMS & EFFECTS (ACUTE & DELAYED)                                | SKIN CONTACT: IRRITATION. MAY CAUSE AN ALLERGIC SKIN REACTION.<br>EYE CONTACT: SERIOUS DAMAGE TO EYES.<br>INGESTION: RISK OF LUNG OEDEMA.  |
| <b>4.3</b><br><b>INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION OR SPECIAL TREATMENT REQUIRED</b> | TREAT SYMPTOMATICALLY  |
| <b>SECTION 5: FIRE FIGHTING MEASURES</b>   |  |
| <b>5.1</b><br><b>EXTINGUISHING MATERIAL</b>  | FOAM, CO2, DRY CHEMICAL POWDER.  |
| <b>5.2</b><br><b>SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE</b>                       | A FIRE WILL OFTEN PRODUCE A THICK BLACK SMOKE. EXPOSURE TO DECOMPOSITION PRODUCTS MAY BE HAZARDOUS TO HEALTH. DO NOT BREATHE IN SMOKE.<br>THERMAL DECOMPOSITION OR COMBUSTION PRODUCTS MAY INCLUDE THE FOLLOWING SUBSTANCES:<br>CARBON DIOXIDE (CO2), CARBON MONOXIDE (CO), OTHER TOXIC GASES.<br>CONTAINERS CLOSE TO FIRE SHOULD BE REMOVED OR COOLED WITH WATER. |
| <b>5.3</b><br><b>ADVICE FOR FIRE-FIGHTERS</b>  | SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS:<br>WEAR POSITIVE-PRESSURE SELF-CONTAINED BREATHING APPARATUS (SCBA) AND APPROPRIATE PROTECTIVE CLOTHING.   |
| <b>SECTION 6: ACCIDENTAL RELEASE MEASURES</b>  |  |
| <b>6.1</b><br><b>PERSONAL PRECAUTIONS</b>  | ENSURE ADEQUATE VENTILATION OF THE WORKING AREA, EVACUATE PERSONNEL TO SAFE AREA, WEAR SUITABLE PROTECTIVE EQUIPMENT. NO SMOKING, SPARKS, FLAMES OR OTHER SOURCES OF IGNITION NEAR SPILLAGE. AVOID CONTACT WITH SKIN, EYES AND CLOTHING.   |
| <b>6.2</b><br><b>ENVIRONMENTAL PRECAUTIONS</b>   | DO NOT DISCHARGE INTO DRAINS, WATER COURSES OR ONTO THE GROUND. DISPOSE OF IN LINE WITH LOCAL AUTHORITY GUIDELINES.  |
| <b>6.3</b><br><b>METHODS &amp; MATERIAL FOR CONTAINMENT AND CLEANING UP</b>                      | ABSORB WITH LIQUID BINDING MATERIAL E.G. SAND, DIATOMACEOUS EARTH. COLLECT IN CLOSED AND SUITABLE CONTAINERS FOR DISPOSAL. PREVENT ANY MATERIAL FROM ENTERING DRAINS OR WATERWAYS. WASH SPILL SITE AFTER REMOVAL WITH A DETERGENT.   |
| <b>6.4</b><br><b>REFERENCES TO OTHER SECTIONS</b>  | REFER & CONSIDER SECTIONS 4, 7, 8 & 13.  |
| <b>SECTION 7: HANDLING &amp; STORAGE</b>   |  |
| <b>7.1</b><br><b>PRECAUTIONS FOR SAFE-HANDLING</b>   | 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.         |
| <b>7.2</b><br><b>CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES</b>                | 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.   |
| <b>7.3</b><br><b>SPECIFIC END USE(S)</b>   | NO DATA.   |

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| <b>SECTION 8: EXPOSURE CONTROLS &amp; PERSONAL PROTECTION</b>                     |   |
|---|---|
| <b>8.1<br/>CONTROL PARAMETERS</b>   | NO ADDITIONAL DATA AVAILABLE.   |
| <b>8.2<br/>EXPOSURE CONTROLS</b>  |   |
|  |   |
| <b>EYE PROTECTION</b>   | WEAR PROTECTIVE GLOVES/EYE PROTECTION/FACE PROTECTION.  |
| <b>HAND PROTECTION</b>  | WEAR PROTECTIVE GLOVES/EYE PROTECTION/FACE PROTECTION.  |
| <b>RESPIRATORY EQUIPMENT</b>  | GENERALLY UNNECESSARY IN A WELL VENTILATED AREA.<br>IF VENTILATION IS INSUFFICIENT, RESPIRATORY PROTECTION MUST BE WORN.  |
| <b>HYGIENE MEASURES</b>   | GOOD PERSONAL HYGIENE PRACTICES ARE ALWAYS ADVISABLE, ESPECIALLY WHEN WORKING WITH CHEMICALS / OILS.  |
| <b>ENGINEERING MEASURES</b>   | PROVIDE ADEQUATE VENTILATION OR RESPIRATORY PROTECTION.   |
| <b>SKIN PROTECTION</b>  | WEAR PROTECTIVE CLOTHING TO REDUCE THE RISK OF SKIN AND EYE CONTACT.  |
| <b>PERSONAL PROTECTION</b>  | AVOID INHALATION OF THE PRODUCT. AVOID CONTACT WITH SKIN AND EYES. USE OF CHEMICAL RESISTANT CLOTHING IS RECOMMENDED WHEN HANDLING.   |
| <b>OTHER PROTECTION</b>   | WEAR SUITABLE PROTECTION TO AVOID CONTACT WITH SKIN AND EYES. DO NOT INHALE VAPOURS.  |
| <b>PROCESS CONDITIONS</b>   | ENSURE AREA IS WELL VENTILATED. AVOID VAPOUR INHALATION. SAFETY SHOWER & EYE BATH.  |
| <b>ENVIROMENTAL EXPOSURE CONTROLS</b>   | AVOID DISCHARGING INTO DRAINAGE WATER. ONLY ELIMINATE BY AUTHORISED COMPANIES.  |
| <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>   | YELLOW  |
| <b>ODOUR</b>  | CHARACTERISTIC, FRESH, FLORAL.  |
| <b>RELATIVE DENSITY</b>   | APPROX. 0.870 @ 20°C  |
| <b>FLASH POINT (°C)</b>   | 60 – 93°C   |
| <b>REFRACTIVE INDEX @ 20 °C</b>   | APPROX. 1.471 @ 20°C  |
| <b>SOLUBILITY IN WATER @ 20 °C</b>  | INSOLUBLE IN WATER  |
| <b>9.2<br/>OTHER INFORMATION</b>  | NO ADDITIONAL DATA AVAILABLE.   |
| <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 SUGGESTED STORAGE CONDITIONS (<15°C).  |
| <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 SO AS TO PREVENT THE FORMATION OF PEROXIDES AND PRODUCT DETERIORATION. |

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| <b>10.5</b><br><b>INCOMPATIBLE MATERIALS</b>           | AVOID CONTACT WITH STRONG ACIDS, ALKALIS OR OXIDISING AGENTS.   |
| <b>10.6</b><br><b>HAZARDOUS DECOMPOSITION PRODUCTS</b> | NOT EXPECTED UNDER NORMAL TEMPERATURE CONDITIONS AND RECOMMENDED USE.<br>THERMAL DECOMPOSITION MAY RELEASE/FORM OXIDES OF CARBON (CARBON MONOXIDE, CARBON DIOXIDE) AND OTHER TOXIC GASES. |

## SECTION 11: TOXICOLOGICAL INFORMATION

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|---|---|
| <b>11.1</b><br><b>TOXICOLOGICAL EFFECTS</b> |   |
|   | NOT CLASSIFIED.   |
|   | ACUTE TOXICITY:<br><b>ALPHA-PINENE (80-56-8)</b><br>LD50 ORAL 500 MG/KG BODYWEIGHT<br><b>D-LIMONENE (5989-27-5)</b><br>LD50 ORAL RAT > 2000 MG/KG BODYWEIGHT ANIMAL: RAT, ANIMAL<br>SEX: FEMALE, GUIDELINE: OECD GUIDELINE 423<br>(ACUTE ORAL TOXICITY - ACUTE TOXIC CLASS METHOD)<br>LD50 DERMAL RABBIT > 5000 MG/L READ-ACROSS FROM SUPPORTING<br>SUBSTANCE (STRUCTURAL ANALOGUE OR SURROGATE)<br><b>LINALOOL (78-70-6)</b><br>LD50 ORAL 2790 MG/KG BODYWEIGHT<br><b>GERANIOL (106-24-1)</b><br>LD50 ORAL 3600 MG/KG BODYWEIGHT<br><b>MYRCENE (123-35-3)</b><br>LD50 ORAL RAT > 11 390 MG/KG BODYWEIGHT ANIMAL: RAT<br>LD50 ORAL > 3380 MG/KG BODYWEIGHT ANIMAL: MOUSE<br>LD50 DERMAL RABBIT > 5000 MG/KG BODYWEIGHT ANIMAL: RABBIT,<br>GUIDELINE: OECD GUIDELINE 402 (ACUTE DERMAL<br>TOXICITY)<br><b>3,7-DIMETHYL-1,3,6-OCTATRIENE (13877-91-3)</b><br>LD50 ORAL 5000 MG/KG BODYWEIGHT<br><b>FARNESOL (4602-84-0)</b><br>LD50 ORAL RAT > 20 ML/KG<br>LD50 DERMAL RAT > 15000 MG/KG<br><b>P-MENTHA-1,4-DIENE (99-85-4)</b><br>LD50 ORAL 3850 MG/KG BODYWEIGHT<br><b>ALPHA-TERPINEOL (98-55-5)</b><br>LD50 ORAL 4300 MG/KG BODYWEIGHT<br><b>NEROL (106-25-2)</b><br>LD50 ORAL 4500 MG/KG BODYWEIGHT<br><b>CITRAL (5392-40-5)</b><br>LD50 DERMAL 2250 MG/KG BODYWEIGHT<br><b>CIS-BETA-OCIMENE (3338-55-4)</b><br>LD50 ORAL 5000 MG/KG BODYWEIGHT<br><b>TRANS BETA-OCIMENE (3779-61-1)</b><br>LD50 ORAL 5000 MG/KG BODYWEIGHT |
| <b>ACUTE TOXICITY</b>                       |   |
| <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.<br><b>P-MENTHA-1,4-DIENE (99-85-4)</b><br>NOAEL (ANIMAL/MALE, F0/P) 250 MG/KG BODYWEIGHT<br>NOAEL (ANIMAL/FEMALE, F0/P) 250 MG/KG BODYWEIGHT  |
| <b>STOT – SINGLE EXPOSURE</b>               | NOT CLASSIFIED  |

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| <b>STOT – REPEATED EXPOSURE</b> | <p>NOT CLASSIFIED.</p> <p><b>D-LIMONENE (5989-27-5)</b><br/>         LOAEL (ORAL, RAT, 90 DAYS) 1 650 – 3300 MG/KG BODYWEIGHT/DAY<br/>         NOAEL (SUBACUTE, ORAL, ANIMAL/MALE, 28 DAYS) 825 MG/KG BODYWEIGHT<br/>         NOAEL (SUBACUTE, ORAL, ANIMAL/FEMALE, 28 DAYS) 1 650 MG/KG BODYWEIGHT</p> <p><b>MYRCENE (123-35-3)</b><br/>         LOAEL (ORAL, RAT, 90 DAYS) 250 MG/KG BODYWEIGHT ANIMAL: RAT,<br/>         GUIDELINE: OECD GUIDELINE 408<br/>         (REPEATED DOSE 90-DAY ORAL TOXICITY IN<br/>         RODENTS)<br/>         NOAEL (SUBCHRONIC, ORAL, ANIMAL/MALE, 90 DAYS) 500 MG/KG BODYWEIGHT ANIMAL: MOUSE,<br/>         ANIMAL SEX: MALE, GUIDELINE: OECD<br/>         GUIDELINE 408 (REPEATED DOSE 90-DAY<br/>         ORAL TOXICITY IN RODENTS)<br/>         NOAEL (SUBCHRONIC, ORAL, ANIMAL/FEMALE, 90 DAYS) 250 MG/KG BODYWEIGHT ANIMAL: MOUSE,<br/>         ANIMAL SEX: FEMALE, GUIDELINE: OECD<br/>         GUIDELINE 408 (REPEATED DOSE 90-DAY<br/>         ORAL TOXICITY IN RODENTS)</p> |
| <b>ASPIRATION HAZARD</b>        | MAY BE FATAL IF SWALLOWED AND ENTERS AIRWAYS  |
| <b>OTHER INFORMATION</b>        | NO ADDITIONAL DATA AVAILABLE.   |

## SECTION 12: ECOLOGICAL INFORMATION

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| <b>12.1<br/>TOXICITY</b>                             | <p>VERY TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS.</p> <p><b>D-LIMONENE (5989-27-5)</b><br/>         LC50 FISH 1 720 MG/L TEST ORGANISMS (SPECIES): PIMEPHALES PROMELAS<br/>         EC50 DAPHNIA 1 0.36 MG/L TEST ORGANISMS (SPECIES): DAPHNIA MAGNA<br/>         EC50 72H ALGAE (1) 0.32 MG/L TEST ORGANISMS (SPECIES): DESMODESMUS SUBSPICATUS<br/>         (PREVIOUS NAME: SCENEDESMUS SUBSPICATUS)<br/>         NOEC (CHRONIC) 0.115 MG/L TEST ORGANISMS (SPECIES): OTHER:FOR<br/>         FRESHWATER INVERTEBRATES, SPECIES FREQUENTLY INCLUDE DAPHNIA<br/>         MAGNA OR DAPHNIA PULEX. DURATION: '16 D'</p> <p><b>FARNESOL (4602-84-0)</b><br/>         LC50 FISH 1 1.43 MG/L<br/>         EC50 DAPHNIA 1 0.568 MG/L<br/>         EC50 72H ALGAE (1) 1.49 MG/L<br/>         NOEC CHRONIC ALGAE 1.17 MG/L</p> |
| <b>12.2<br/>PERSISTENCE &amp; DEGRADABILITY</b>      | NO DATA   |
| <b>12.3<br/>BIO- ACCUMULATIVE POTENTIAL</b>          | NO DATA   |
| <b>12.4<br/>MOBILITY IN SOIL</b>                     | NO DATA.  |
| <b>12.5<br/>RESULTS OF PBT &amp; VPVB ASSESSMENT</b> | NO DATA   |
| <b>12.6<br/>OTHER ADVERSE EFFECTS</b>                | DO NOT ALLOW PRODUCT TO ENTER STREAMS, SEWERS OR OTHER WATERWAYS.   |

## SECTION 13: DISPOSAL INFORMATION

### 13.1 WASTE TREATMENT METHODS

DO NOT ALLOW ENTRY INTO DRAINS OR WATERWAYS.

**WASTE:**

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.

DO NOT CONTAMINATE THE GROUND OR WATER WITH WASTE. DO NOT DISPOSE OF WASTE INTO THE ENVIRONMENT.

**SOILED PACKAGING:**

EMPTY CONTAINER COMPLETELY. KEEP LABEL(S) ON CONTAINER.

DISPOSE OF VIA A CERTIFIED DISPOSAL CONTRACTOR.

## SECTION 14: TRANSPORT INFORMATION

### 14.1 TRANSPORT INFORMATION

#### UN NUMBER

ROAD: 3082

RAIL: 3082

AIR: 3082

### 14.2 UN SHIPPING NAME

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S (D-LIMONENE)

### 14.3 TRANSPORT HAZARD CLASS(ES)

**ADR/RID**

ADR/RID: CLASS 9

ADR CLASSIFICATION CODE: M6

SPECIAL PROVISIONS: 274 335 375 601

LIMITED QUANTITIES: 5L

EXPECTED QUANTITIES: E1

EMERGENCY ACTION CODE: \*3Z

PACKING INSTRUCTIONS (ADR): P001, IBC03, LP01, R001

SPECIAL PACKING PROVISIONS (ADR): PP1

MIXED PACKING PROVISIONS (ADR): MP19

PORTABLE TANK AND BULK CONTAINER INSTRUCTIONS (ADR): T4

PORTABLE TANK AND BULK CONTAINER SPECIAL PROVISIONS (ADR): TP1, TP29

TANK CODE (ADR): LGBV

VEHICLE FOR TANK CARRIAGE: AT

TRANSPORT CATEGORY (ADR): 3

SPECIAL PROVISIONS FOR CARRIAGE - PACKAGES (ADR): V12

SPECIAL PROVISIONS FOR CARRIAGE - LOADING, UNLOADING AND HANDLING (ADR): CV13

**IMDG**

IMDG - CLASS 9

SPECIAL PROVISIONS - 274 335 375 601

LIMITED QUANTITIES - 5L

EXPECTED QUANTITIES - E1

IMDG EMS - F-A, S-F

STOWAGE AND HANDLING - CATEGORY A

PACKING INSTRUCTIONS (IMDG): LP01, P001

SPECIAL PACKING PROVISIONS (IMDG): PP1

IBC PACKING INSTRUCTIONS (IMDG): IBC03

TANK INSTRUCTIONS (IMDG): T4

TANK SPECIAL PROVISIONS (IMDG): TP1, TP29

**ICAO/IATA**

ICAO/IATA - CLASS 9



IATA PROPER SHIPPING NAME - ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

EXPECTED QUANTITIES - E1

PCA LIMITED QUANTITIES (IATA): Y964

PCA LIMITED QUANTITY MAX NET QUANTITY (IATA): 30KG



|   |   |
|---|---|
|   | <p>PCA PACKING INSTRUCTIONS (IATA): 964<br/> PCA MAX NET QUANTITY (IATA): 450L<br/> CAO PACKING INSTRUCTIONS (IATA): 964<br/> CAO MAX NET QUANTITY (IATA): 450L<br/> SPECIAL PROVISIONS (IATA): A97, A158, A197<br/> ERG CODE (IATA): 9</p> <p>TRANSPORT LABELS</p>    |
| <b>14.4<br/>PACKING GROUP</b>   | <p>ADR/RID/ADN PACKING GROUP III<br/> IMDG PACKING GROUP III<br/> ICAO PACKING GROUP III</p>  |
| <b>14.5<br/>ENVIROMENTAL HAZARDS</b>  | <p>ENVIRONMENTALLY HAZARDOUS SUBSTANCE/MARINE POLLUTANT</p>    |
| <b>14.6<br/>SPECIAL PRECAUTIONS FOR USER</b>  | SEE SECIONS 6 – 8.  |
| <b>14.7<br/>TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL73/78 &amp; THE IBC CODE.</b>        | NOT APPLICABLE  |
| <b>SECTION 15: REGULATORY INFORMATION</b>   |   |
| <b>15.1<br/>PRODUCT SPECIFIC SAFETY, HEALTH &amp; ENVIRONMENTAL REGULATIONS &amp; LEGISLATION</b> |   |
| <b>EU DIRECTIVES</b>  | REGULATION (EC) NO 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL OF 18 <sup>TH</sup> DECEMBER 2006. CONCERNING THE REGISTRATION, EVALUATION, AUTHORIZATION & RESTRICTION OF CHEMICALS (REACH), ESTABLISHING A EUROPEAN CHEMICALS AGENCY, AMENDING DIRECTIVE 1999/45/EC AND REPEALING COUNCIL REGULATION (EEC) NO793/93 & COMMISSION REGULATION (EC) NO1488/94 AS WELL AS COUNCIL DIRECTIVE 76/769/EEC & COMMISSION DIRECTIVE 91/155/ECC, 93/67/ECC, 93/105/EEC & 2000/21/EC (INCLUDING AMENDMENTS). |
| <b>STATUTORY INSTRUMENTS</b>  | THE CHEMICALS (HAZARD INFORMATION & PACKAGING FOR SUPPLY REGULATIONS 2009 (S.I.2009 NO 716).  |
| <b>APPROVED CODE OF PRACTICE</b>  | CLASSIFICATION & LABELLING OF SUBSTANCES & PREPARATIONS DANGEROUS FOR SUPPLY. SAFETY DATA SHEETS FOR SUBSTANCES & PREPARATIONS.   |
| <b>GUIDANCE NOTES</b>   | WORKPLACE EXPOSURE LIMITS EH40. CHIP FOR EVERYONE HSG 108.  |
| <b>15.2<br/>CHEMICAL SAFETY ASSESSMENT</b>  | AN ASSESSMENT HAS NOT BEEN EXECUTED AS THIS IS NOT A HAZARDOUS MATERIAL ACCORDING TO ARTICLE 31 OF REACH 1907/2006.   |

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| <b>SECTION 16: OTHER INFORMATION</b>            |  |
| HAZARD AND/ OR PRECAUTIONARY STATEMENTS IN FULL | <p>H226 FLAMMABLE LIQUID AND VAPOUR.<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/> H318 CAUSES SERIOUS EYE DAMAGE.</p> |

*The attached information is considered to be correct at the time the client received this information. Please be aware that detail can change and we encourage clients to update their records with SoapQueen regularly. The information is not and should not be considered a guarantee or warranty, or a part of our contractual or other legal obligations. It is the responsibility of the client to ensure the safety of the final product containing this ingredient. Please carry out additional testing if necessary.*

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|  | 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.<br>H412 HARMFUL 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 |
|-----------------------------|--------------------|
| 10 <sup>TH</sup> APRIL 2018 | DATA LAUNCH        |
| 2021                        | REVIEW             |