

## CANANGA ESSENTIAL OIL – SAFETY DATA SHEET

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

#### PRODUCT IDENTIFIER

|                |                             |
|----------------|-----------------------------|
| Product name   | Cananga Essential Oil       |
| Botanical Name | Cananga odorata macrophylla |
| INCI name      | Cananga Odorata Flower Oil  |

#### DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET

|                                     |  |
|-------------------------------------|--|
| Registered distributor company name | Pure Ingredients Ltd                                   |
| Address                             | 626A Rosebank Road, Avondale Auckland 1026 New Zealand |
| Telephone                           | +649 8135619   |
| Website                             | www.pureingredients.co.nz                              |
| Email                               | compliance@pureingredients.co.nz                       |

#### EMERGENCY TELEPHONE NUMBER

|                                   |  |
|-----------------------------------|--|
| CHEMCALL                          | 0800 CHEMCALL / 800 243 622 (24hr)           |
| Emergency telephone numbers       | 111  |
| Other emergency telephone numbers | NZ Poisons Centre 0800 POISON (0800 764 766) |

### SECTION 2 HAZARDS IDENTIFICATION

|  |   |
|--|---|
| <b>GHS Classification</b>                | EC 1272/2008                                |
| - <b>Physical and Chemical Hazards</b>   | Not classified                              |
| - <b>Human Health</b>                    |   |
| <b>Aspiration</b>                        | Category 1; H304                            |
| <b>Skin Sensitization</b>                | Category 1; H317                            |
| <b>Serious eye damage/eye irritation</b> | Category 2; H319                            |
| - <b>Environment</b>                     | Category chronic 2; H411.                   |
| <b>GHS Label Elements</b>                | Label in accordance with (EC) No. 1272/2008 |



|                                 |  |
|---------------------------------|--|
| <b>Signal word</b>              | Danger   |
| <b>CE Number</b>                | 297-681-1  |
| <b>Hazard Statements</b>        |  |
| - H304                          | Causes skin irritation.  |
| - H317                          | May cause an allergic skin reaction.                                       |
| - H319                          | Causes serious eye irritation.   |
| - H411                          | Toxic to aquatic life with long lasting effects.                           |
| <b>Precautionary Statements</b> |  |
| - P280                          | Wear protective gloves/protective clothing/eye protection/face protection. |
| - P301+P310                     | IF SWALLOWED: Immediately call a POISON CENTER/doctor.                     |
| - P331                          | Do NOT induce vomiting.  |
| - P333+P313                     | If skin irritation or a rash occurs: Get medical advice/attention.         |
| - P337+P313                     | If eye irritation persists, get medical advice/attention.                  |
| - P501                          | Dispose of contents/container to an approved waste disposal plant.         |

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## SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

|               |                            |               |           |
|---------------|----------------------------|---------------|-----------|
| <b>INCI</b>   | Cananga Odorata Flower Oil | <b>FEMA</b>   | 2232      |
| <b>CAS No</b> | 93686-30-7/68606-83-7      | <b>EINECS</b> | 297-681-1 |

| Product Name  | Concentration | [CAS/ EC] #.        | Hazard Class  |
|---|---------------|---------------------|---|
| <b>Caryophyllene</b>  | < 51%         | 87-44-5/201-746-1   | Asp. Tox. 1; H304 [1]   |
| <b>Benzyl benzoate</b>  | < 5%          | 120-51-4/204-402-9  | Acute Tox. 4; H302- Aquatic Acute 1; H400- Aquatic Chronic 2; H411 [1]                                  |
| <b>Benzyl salicylate</b>  | < 3%          | 118-58-1/204-262-9  | Eye Irrit. 2; H319- Skin Sens. 1B; H317- Aquatic Chronic 3; H412 [1]                                    |
| <b>Linalool</b>   | < 3%          | 78-70-6/201-134-4   | Skin Irrit. 2; H315- Eye Irrit. 2; H319 [1]   |
| <b>Geranyl acetate</b>  | < 3%          | 105-87-3/203-341-5  | Skin Irrit. 2; H315- Skin Sens. 1; H317- Aquatic Chronic 3; H412 [1]                                    |
| <b>p-Methylanisole</b>  | < 2%          | 104-93-8/203-253-7  | Flam. Liq. 3; H226- Acute Tox. 4; H302- Skin Irrit. 2; H315- Repr. 2; H361- Aquatic Chronic 3; H412 [1] |
| <b>Farnesol</b>   | < 2%          | 4602-84-0/225-004-1 | Skin Irrit. 2; H315- Eye Irrit. 2; H319- Skin Sens. 1B; H317 [1]  |
| <b>Geraniol</b>   | < 1.5%        | 106-24-1/203-377-1  | Skin Irrit. 2; H315- Eye Dam. 1; H318- Skin Sens. 1; H317 [1]   |
| <b>3R-2,3,4,7,8,8a-Hexahydro-3,6,8,8-tetramethyl-1H-3a,7-methanoazulene</b> | < 1.5%        | 469-61-4/207-418-4  | Asp. Tox. 1; H304- Aquatic Acute 1; H400- Aquatic Chronic 1; H410 [1]                                   |
| <b>4-Allylanisole</b>   | < 0.5%        | 140-67-0/205-427-8  | Acute Tox. 4; H302- Skin Sens. 1B; H317- Muta. 2; H341- Carc. 2; H351 [1]                               |
| <b>4-Allylveratrole</b>   | < 0.5%        | 93-15-2/202-223-0   | Acute Tox. 4; H302- Muta.2; H341- Carc. 2; H351 [1]   |
| <b>Methyl benzoate</b>  | < 0.2%        | 93-58-3/202-259-7   | Acute Tox. 4; H302 [1]  |

## SECTION 4 FIRST AID MEASURES

NZ Poisons Centre 0800 POISON (0800 764 766) | NZ Emergency Services: 111

|   |   |
|---|---|
| Inhalation                                    | If inhaled, remove affected person from source of contamination and removed to fresh air. Get medical attention if  |
| Skin Contact                                  | Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention if any discomfort   |
| Ingestion                                     | Rinse mouth thoroughly with water. Do not induce vomiting. Never give anything by mouth if victim is unconscious, is rapidly losing consciousness, or is convulsing. Seek medical attention or contact local poison control centre if any discomfort continues. |
| Eye Contact                                   | Rinse immediately with plenty of water. Continue to rinse for at least 15 minutes. Remove any contact lenses and open eyelids wide apart. Get medical attention if any discomfort continues.  |
| Most important symptoms and effects           |   |
| Skin contact:                                 | Irritating to skin.   |
| Indication of any immediate medical attention | No additional data available.   |

## SECTION 5 FIREFIGHTING MEASURES

|   |  |
|---|--|
| <b>Suitable extinguishing media</b>             | Carbon Dioxide, foam, dry chemicals extinguishers should be used. Do not use water.  |
| <b>Unsuitable extinguishing media</b>           | Do not use water spray or water jet as an extinguisher, as this will spread the fire.  |
| <b>Special hazards arising from the product</b> | In case of fire, toxic fumes like carbon monoxide and carbon dioxide may be liberated. Burning produces heavy smoke.   |
| <b>Advice for firefighters</b>                  | In case of fire in the surrounding area, follow the Recommendations below:<br>1. Closed containers may build up pressure at elevated temperatures.<br>2. Avoid inhalation of fumes or vapours. Use appropriate respiratory protection.<br>3. Prevent run-off from firefighting to enter drains or water courses. |

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## SECTION 6 ACCIDENTAL RELEASE MEASURES

|  |  |
|--|--|
| <b>Personal precautions, protective equipment &amp; emergency procedures</b> | Wear protective clothing as described in Section 8 of this safety data sheet, avoid contact with skin, avoid inhalation of vapours. Use of self-contained breathing apparatus is recommended for any major chemical spill. Refer also to section 8. Eliminate all ignition sources. Ventilate area. Determine the need to evacuate or isolate the area according to your local emergency plan. |
| <b>Environmental Precautions</b>   | Do not discharge into drains, surface and groundwater. Report spills to appropriate authorities if required.   |
| <b>Methods and material for containment &amp; cleaning up</b>                | Absorb spillage with inert, damp, non-combustible material. Contain and collect with inert absorbent material and place in suitable container for disposal. Comply with all federal, state, and local regulation. Wipe small spills with cloth. Clean with hot water and detergent.  |
| <b>Reference to other sections</b>   | For personal protection, see Section 8.  |
| <b>Personal precautions, protective equipment &amp; emergency procedures</b> | Wear protective clothing as described in Section 8 of this safety data sheet, avoid contact with skin, avoid inhalation of vapours. Use of self-contained breathing apparatus is recommended for any major chemical spill. Refer also to section 8. Eliminate all ignition sources. Ventilate area. Determine the need to evacuate or isolate the area according to your local emergency plan. |

## SECTION 7 HANDLING AND STORAGE

|   |  |
|---|--|
| <b>Precautions for safe handling</b>                                | Provide adequate ventilation. Apply good manufacturing practice and industrial hygiene practices. Keep containers sealed when not in use. Avoid inhalation and contact with skin and eyes. Good personal hygiene practices should be used. Wash after any contact, before break and meals, and at the end of the work period. Contaminated clothing and shoes should be cleaned before re-use. |
| <b>Conditions for safe storage, including any incompatibilities</b> | Containers should be kept closed in order to minimize contamination. Store in a cool, dry, well ventilated place protected from light. Keep away from extreme heat and from freezing conditions and away from all sources of ignition. Make sure the material does not come into contact with substances listed as "Materials to Avoid".   |
| <b>Specific end use(s)</b>  | No additional data available.  |

## SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

|                               |  |
|-------------------------------|--|
| <b>Control parameters</b>     | An eyewash fountain and/or safety shower should be available in the work area. Acceptable industrial hygiene practices should be maintained. These precautions are for room temperature handling. Use at elevated temperatures or aerosol spray applications may require additional precautions. |
| <b>Respiratory</b>            | In well ventilated areas, respiratory protection is not normally required. In confined, poorly ventilated areas the use of NIOSH approved respiratory protection normally required (use only if trained in proper use and with acceptable oxygen level).   |
| <b>Exposure controls</b>      |   |
| <b>Process Conditions</b>     | Provide eyewash station.   |
| <b>Engineering Measures</b>   | Provide adequate ventilation.  |
| <b>Eye Protection</b>         | The use of safety glasses is recommended. If a material is to be handled in a manner where splashing may occur, the use of splash goggles or face shield is recommended.   |
| <b>Other Protection</b>       | Wear apron or protective clothing in case of contact.  |
| <b>Hygiene Measures</b>       | Good personal hygiene practices are always advisable, especially when working with chemicals / oils. Keep away from foodstuffs, beverages and feed.  |
| <b>Personal Protection</b>    | Avoid inhalation and contact with skin and eyes.   |
| <b>Skin Protection</b>        | Wear apron or protective clothing in case of splashes. Using chemical resistant gloves and clothing is recommended.  |
| <b>Environmental Exposure</b> | Avoid discharging into drainage water. Only eliminate by authorized companies.   |

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## SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

|   |   |
|---|---|
| <b>Appearance</b>                         | Mobile liquid.  |
| <b>Colour</b>                             | Colorless to light yellow   |
| <b>Flash point</b>                        | 87°C/188°F  |
| <b>Specific Gravity/ Relative density</b> | 0.9060 – 0.9230   |
| <b>Refractive index @20°C</b>             | 1.4950 – 1.5050   |
| <b>Solubility (ies)</b>                   | Soluble in alcohol [1:0.5(v/v) in 95% ethanol] and oil. Insoluble in water. |
| <b>Melting Point (°C)</b>                 | No additional data available.   |
| <b>Boiling Point (°C)</b>                 | No additional data available.   |
| <b>Vapour Pressure</b>                    | No additional data available.   |
| <b>Auto-ignition temperature (°C)</b>     | No additional data available.   |
| <b>Other information</b>                  | No additional data available.   |

## SECTION 10 STABILITY AND REACTIVITY

|   |   |
|---|---|
| <b>Reactivity</b>                       | No additional data available.   |
| <b>Chemical stability</b>               | Stable under normal operating conditions and recommended use. Chemically stable. This material presents no significant reactivity hazard. |
| <b>Possible hazardous reactions</b>     | Hazardous Polymerization: It does not undergo any dangerous reactions under normal conditions.  |
| <b>Conditions to Avoid</b>              | No special precautions other than good housekeeping of chemicals.   |
| <b>Incompatible materials</b>           | Oxidizing mineral acids, strong reducing agents, strong oxidizing agents.   |
| <b>Hazardous Decomposition Products</b> | Carbon monoxide and other unidentified organic compounds may be formed upon combustion.   |

## SECTION 11 TOXICOLOGICAL INFORMATION

|  |   |
|--|---|
| <b>Acute Toxicity</b>                    | This substance does not meet the criteria for classification in accordance with Regulation (EC) No 1272/2008. |
| <b>Skin corrosion / irritation</b>       | May cause an allergic reaction on skin.   |
| <b>Serious eye damage / irritation</b>   | Causes serious eye irritation.  |
| <b>Respiratory or skin sensitization</b> | No additional data available.   |
| <b>Germ Cell Mutagenicity</b>            | No additional data available.   |
| <b>Carcinogenicity</b>                   | No additional data available.   |
| <b>Reproductive toxicity</b>             | No additional data available.   |
| <b>STOT-single exposure</b>              | No additional data available.   |
| <b>STOT-repeated exposure</b>            | May aggravate dermatitis, psoriasis and other skin conditions.  |
| <b>Aspiration hazard</b>                 | No additional data available.   |
| <b>Photo-toxicity</b>                    | No additional data available.   |

## SECTION 12 ECOLOGICAL INFORMATION

|   |  |
|---|--|
| <b>Toxicity</b>                           | Not determined.  |
| <b>Persistence &amp; degradability</b>    | Not available.   |
| <b>Bioaccumulation Potential</b>          | Not determined.  |
| <b>Mobility in soil</b>                   | Not available.   |
| <b>Results of PBT and vPvB Assessment</b> | No determined.   |
| <b>Other adverse effects</b>              | Do not allow the material to enter streams, sewers or other waterways. |


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## SECTION 13 DISPOSAL CONSIDERATION

**Container disposal:** Containers must be disposed of as hazardous waste. Do not reuse empty containers. Dilute the remaining material and neutralize. Empty residue into a suitable disposal site.

**Disposal condition:** Dispose of in accordance with all state and local environmental regulations. This material and its container must be disposed of in a safe way.

## SECTION 14 TRANSPORT INFORMATION

|                         |  |
|-------------------------|--|
| Proper Shipping Name    | Environmentally Hazardous Substance, Liquid, N.O.S. (Contains Cananga, Cananga odorata macrophylla, oil) |
| UN No.                  | ROAD Transport (ADR): UN3082<br>SEA Transport (IMDG): UN3082<br>AIR Transport (ICAO/IATA): UN3082        |
| Packing Group           | ROAD Transport (ADR): III<br>SEA Transport (IMDG): III<br>AIR Transport (ICAO/IATA): III                 |
| Tunnel restriction code | [E]  |
| Class                   | ROAD Transport (ADR): 9<br>SEA Transport (IMDG): 9<br>AIR Transport (ICAO/IATA): 9                       |
| Label                   |                         |

## SECTION 15 REGULATORY INFORMATION

|   |  |
|---|--|
| <b>Safety, health and environmental Regulations / legislation specific for the substance or mixture</b> | EU regulations: The product has been classified and labelled according to criteria provided in Directive 67/548/EEC and 1272/2008/EC, and following the recommendations of EFFA (European Flavor and Fragrance Association).<br>The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716). Guidance Notes Workplace Exposure Limits EH40. CHIP for everyone HSG(108). EU Legislation Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorization 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. |
| <b>Chemical safety assessment</b>   | No additional information available.   |

## SECTION 16 OTHER INFORMATION

|   |  |
|---|--|
| <b>Text of hazard statement codes in Section 3 (impurities, stabilising additives, constituents):</b> | 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.<br>H319: Causes serious eye irritation.<br>H341: Suspected of causing genetic defects.<br>H351: Suspected of causing cancer.<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. |
|---|--|

The information contained in this Safety Data Sheet is obtained from current and reliable sources. Pure Ingredients Ltd provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This Safety Data Sheet summarises our best current knowledge of the health and safety hazard information of the product but does not claim to be all inclusive. This document is intended only as a guide to the appropriate handling of this material.

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Version: 01 Revision Date: 04/05/2020: PIL SDS Change of address - no changes to SDS.