

**TECHNICAL DATA SHEET**  
**CLOVE LEAF ESSENTIAL OIL**

Effective date: 09.2024

**INFORMATION ON SUBSTANCE / MIXTURE**

|                       |                                                                                        |
|-----------------------|----------------------------------------------------------------------------------------|
| INCI Name             | Eugenia Caryophyllus Leaf Oil                                                          |
| Manufacturing process | Natural product obtained by steam distillation of the leaves of Eugenia caryophyllata. |
| Part used             | Leaves                                                                                 |
| Raw material category | Ingredient for cosmetics, personal care, aromatherapy                                  |

**TECHNICAL DATA**

**Physical parameters**

|                          |                                                  |
|--------------------------|--------------------------------------------------|
| Appearance               | Liquid at room temperature, more or less viscous |
| Color                    | Yellow, brown                                    |
| Odor                     | Phenolic, spicy, pungent                         |
| Relative density         | [1.027 ; 1.046]                                  |
| Refractive index         | [1.528 ; 1.535]                                  |
| Optical rotation at 20°C | Not applicable                                   |
| Flash point              | 100°C                                            |

**Biological parameters**

|                                                                                               |               |
|-----------------------------------------------------------------------------------------------|---------------|
| Total aerobic microbial count                                                                 | < 1000 cfu/ g |
| Total yeast and mould count                                                                   | < 100 cfu/g   |
| Pathogens (Escherichia coli, Candida albicans, Pseudomonas aeruginosa, Staphylococcus aureus) | Absent/1g     |

**TRANSPORT, STORAGE and SHELF LIFE**

|                    |                                                                                                                                                    |
|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| Storage conditions | Store in cool, dry and ventilated area, away from heat sources, sparks and open flames, protected from light in tightly closed original container. |
| Shelf Life         | Min 36 months at the recommended storage conditions.                                                                                               |

**LEGISLATION, STATEMENTS**

|         |                                                                                      |
|---------|--------------------------------------------------------------------------------------|
| CAS No. | 84961-50-2                                                                           |
| BSE/TSE | Produced in the absence of any animal derived material of any type. No contamination |

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|                                  |                                                                                                                                                                                                                                                                                                                                      |
|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                  | with BSE/ TSE Bovine Spongiform Encephalopathy risk materials is to be expected.                                                                                                                                                                                                                                                     |
| GMO status                       | Product does not come from plants being or having been submitted to a program of genetic modification.                                                                                                                                                                                                                               |
| Nanomaterial statement           | Not expected to contain any nanomaterial meaning an insoluble or biopersistent and intentionally manufactured material with one or more external dimensions, or an internal structure, on the scale from 1 to 100 nm, as defined in Regulation (EC) No 1223/2009 on cosmetic products and the Commission Recommendation 2011/696/EU. |
| Microplastics                    | The product does not contain any Microplastic according to Annex XVII to REGULATION (EC) No 1907/2006 Of The European Parliament And Of The Council and its amendments.                                                                                                                                                              |
| Irradiation                      | This product has not been subjected to irradiation.                                                                                                                                                                                                                                                                                  |
| Gluten- Status                   | Not expected to contain gluten. The product can be considered as gluten-free as it does not contain ingredients derived from grain (e.g. wheat, rye or barley) or does not contain detectable levels of gluten.                                                                                                                      |
| Other Free from status           | Dioxin, Formaldehyde, Phthalates                                                                                                                                                                                                                                                                                                     |
| Animal testing                   | This product has not been the subject of animal testing for cosmetic purposes according to EC Regulation 1223/2009                                                                                                                                                                                                                   |
| Information for Vegan Assessment | Vegan and Vegetarian suitable. Manufacture does not involve the use of any animal product, by-product or ingredient. This product meets Vegan requirements, but it is not certified.                                                                                                                                                 |

## LABELING

|                          |                                                                                                                                                                                                                                                                                                                                                                  |
|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Hazard pictograms        |                                                                                                                                                                                            |
| Hazard statements        | <p>H302+H312 - Harmful if swallowed or in contact with skin.<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.</p>                                                                                                       |
| Precautionary statements | <p>P280 - Wear protective gloves/protective clothing/eye protection/face protection.<br/> P301+P310+P331 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Do NOT induce vomiting.<br/> P312 - Call a POISON CENTRE or doctor if you feel unwell.<br/> P321 - Specific treatment (see supplemental first aid instruction on this label).</p> |

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|                                           |                                                                                                                                                                                                                               |
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|                                           | P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.<br>P337+P313 - If eye irritation persists: Get medical advice/attention.<br>P362+P364 - Take off contaminated clothing and wash it before reuse. |
| European Union specific hazard statements | None                                                                                                                                                                                                                          |

**DISCLAIMER**

All warranty claims in respect to the conformity of our product are subject to our General Terms and Conditions of Sale and Delivery. The data listed above reflects the results of the manufacturer or our supplier quality tests. We do not hereby make any express or implied warranty, whether for specific properties or for fitness for any particular application or purpose. All values are valid for the product when dispatched from the works. We recommend you perform your own quality and or identification checks on receipt.