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*Document preluat de la furnizor

Safety Data Sheet

Organic Laurel Leaf (Bay) Essential Oil (*Laurus nobilis*)

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|---|--|---------|-----------|------------|-----------|
| Product Name | Bay Laurel Oil Organic | | | | |
| Biological Definition | Volatile oil obtained by steam distillation of the dried leaves of <i>Laurus nobilis</i> Fam. Lauraceae. | | | | |
| INCI Name | Laurus Nobilis Leaf Oil | | | | |
| Synonyms & Trade Names | Sweet bay oil, Laurel leaf oil. | | | | |
| Supplier | | | | | |
| Reach Registration Number <small>(According to EU Reg 1907/2006)</small> | N/A | | | | |
| FEMA No. | 2125 | FDA No. | §182.20 | CoE No. | 255 |
| CAS-No | 8002-41-3 | EC No. | 283-272-5 | EINECS No. | 283-272-5 |

2. HAZARDS IDENTIFICATION

| | |
|--|---|
| Classification (1999/45) | Xn; R10-38-40-43-52/53-65-68, S24-36/37-62 |
| Classification (EC 1272/2008) | UN-GHS: FL 3, ATO5(3950), AH1, SCI2, SS1, EDI2A, CAR2, MUT2, EH A3,C3 EU-CLP: FL 3, AH 1, SCI 2, SS 1, EDI 2, CAR 2, MUT 2 |
| Label in accordance with (EC) No 1272/2008 |     GHS02 GHS07 GHS08 GHS09 |
| Signal Word | Danger |
| Contains | Cineoles, pinenes, terpinyl acetate, linalool, methyl eugenol, alpha-terpineol, terpinen-4-ol, eugenol and others. |
| Hazard Statements | H226 Flammable liquid and vapour H304 May be fatal if swallowed and enters airways H315 Causes skin irritation H317 May cause an allergic skin reaction H319 Causes serious eye irritation H341 Suspected of causing genetic defects H351 Suspected of causing cancer |
| Precautionary Statements | P262 Do not get in eyes, on skin or on clothing P280 Wear protective gloves/protective clothing/eye protection/face protection P281 Use personal protective equipment as required P301/310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. P331 Do NOT induce vomiting P305/351/338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| Supplementary Precautionary Statements | - - - |
| PBT or vPvB according to Annex XIII | No data available |
| Adverse physio-chemical properties | Combustible but will not self-ignite. |

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| Adverse effects on human health | May cause sensitisation by prolonged or repeated skin contact. |
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3. COMPOSITION/INFORMATION ON INGREDIENTS

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| 24% Cineoles CAS: 1,8-cineol: 470-82-6; 1,4-cineole: 470-67-7 UN-GHS: ATO 5(2500); SCI 3 |
| 10.8% Terpinyl acetate CAS: 80-26-2 UN-GHS: SCI 3, EH A2,C2 |
| 10% Linalool CAS: 78-70-6 UN-GHS: ATO 5(3000) ,EDI 2A, EH A3,SCI2 |
| 6% Methyl eugenol CAS: 93-15-2 ATO 4(810), CAR 2, MUT 2, EH A2 |
| 6% Pinenes CAS: alpha-pinene: 80-56-8; beta-pinene: 127-91-3 UN-GHS: ATO 5(3700), SCI 2, SS 1 |
| 4% Alpha-terpineol CAS: 98-55-5 UN-GHGS: ATO 5(4300); SCI 2; EDI 2A |
| 3.3% Terpinen-4-ol CAS: 562-74-3 UN-GHS: ATO 4(1300); ATD 5(2500); SCI 2, EDI 2A, EH A3 |
| 2% Eugenol CAS: 97-53-0 UN-GHS: ATO 5(2300); SCI 3; EDI 2A; SS 1; EH A2 |
| 1.2% Limonene CAS: 5989-27-5 UN-GHS: SCI 2; SS 1; EH A1,C1 |
| 0.9% beta-Caryophyllene CAS: 87-44-5 UN-GHS: SCI 3 |
| 0.9% p-Cymene CAS: 99-87-6 UN-GHS: ATO 5(4750); SCI 3; EH A2,C2 |

4. FIRST AID MEASURES

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| General Information | See categories below |
| Inhalation | Remove from exposure area to fresh air. Contact a doctor if necessary. |
| Ingestion | Wash mouth out with water and obtain medical advice immediately. |
| Skin Contact | Remove contaminated clothing. Wash thoroughly with soap and water. Seek medical advice if irritation persists or there is any sign of tissue damage. |
| Eye Contact | Flush with plenty of water and seek medical advice if necessary. |

5. FIRE-FIGHTING MEASURES

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| Extinguishing Media | Use CO ₂ , Dry Powder or Foam type extinguishers, spraying extinguishing media to base of flames. Do not use direct water jet on burning material. |
| Special Fire Fighting Procedures | Wear protective clothing. Avoid inhalation of vapours. |
| Specific Hazards | None |
| Protective Measures in Fire | Closed containers may build up pressure when exposed to heat and should be cooled with water spray |

6. ACCIDENTAL RELEASE MEASURES

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| Personal Precautions | Maintain good occupational and personal hygiene. Avoid contact with skin and eyes |
| Environmental | Do not discharge directly into drains or soil. Keep away from surface and ground water |

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|------------------------|---|
| Precautions | |
| Spill Clean Up Methods | Soak up spillage with sand or other inert material. Transfer soaked material to suitable waste container and dispose according to prevailing regulations. |

7. HANDLING AND STORAGE

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| Usage Precautions | Apply good manufacturing practice & industrial hygiene practices, ensuring proper workplace ventilation. Observe good personal hygiene, and do not eat, drink or smoke whilst handling. |
| Storage Precautions | Store in tightly closed original container, in a cool, dry & ventilated area away from heat sources & protected from light. Keep air contact to a minimum. |

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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|-----------------------|---|
| Protective Equipment |  <div style="display: flex; justify-content: space-around; text-align: center;"> <div>Goggles</div> <div>Gloves</div> <div>Respiratory protection</div> </div> |
| Engineering Measures | Ensure good ventilation of working area. |
| Respiratory Equipment | As required. Avoid breathing product vapour. |
| Hand Protection | Avoid all skin contact. Use chemically resistant gloves if required. |
| Eye Protection | Use safety glasses. |
| Other Protection | As required |
| Hygiene Measures | Wash hands with soap & water after handling |

9. PHYSICAL AND CHEMICAL PROPERTIES

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|--------------------------------|------------------------------|
| Appearance | Liquid |
| Colour | Pale yellow to yellow |
| Odour | Characteristic |
| Relative Density | 0.905 to 0.929 @ 20°C |
| Flash Point (°C) | 49 c/c |
| Refractive Index | 1.465 to 1.475 { @ 20°C |
| Melting Point (°C) | Not given |
| Boiling Point (°C) | Not given |
| Vapour Pressure | Not given |
| Solubility in Water @20°C | Insoluble |
| Auto-ignition temperature (°C) | No additional data available |

10. STABILITY AND REACTIVITY

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| Stability | It presents no significant reactivity hazards, by itself or in contact with water. |
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| Conditions to Avoid | Avoid storage temperatures above 25°C |
| Materials to Avoid | Avoid contact with strong acids, alkalis and oxidising agents. |
| Hazardous Decomposition Products | Liable to cause smoke & acrid fumes during combustion: carbon monoxide, carbon dioxide & other non-identified organic compounds may be formed. |

11. TOXOLOGICAL INFORMATION

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|-----------------------------------|--|
| Acute Toxicity | Acute oral toxicity LD50 orl-rat: 3.95g/kg – p337-338 Opdyke 1976 Acute oral toxicity LD50 oral-mouse 3310 mg/kg J. Agricultural & Food Chem. 22 , 777 (1974). Acute dermal toxicity LD50 skn-rbt: > 5g/kg – p337-338 Opdyke 1976 |
| Skin corrosion / irritation | Skin irritation Hazard Category 2 under EC 1272/2008 guidelines |
| Serious eye damage / irritation | Hazard Category 2A under EC 1272/2008 guidelines. |
| Respiratory or skin sensitisation | Skin sensitiser Hazard Category 1 under EC 1272/2008 guidelines |
| Germ Cell Mutagenicity | Mutagen Hazard Category 2 under EC 1272/2008 guidelines |
| Carcinogenicity | Carcinogen Hazard Category 2 under EC 1272/2008 guidelines |
| Reproductive toxicity | No additional data available |
| STOT-single exposure | No additional data available |
| STOT-repeated exposure | No additional data available |
| Aspiration hazard | Hazard Category 1 under EC 1272/2008 guidelines. |
| Photo-toxicity | Laurel leaf oil caused both UVA- and UVB-induced haemolysis <i>in vitro</i> , and therefore by implication <i>in vivo</i> : Placzek M. <i>et al.</i> , <i>Acta Derm Venereol</i> 87 , 312-316 (1976). |
| Other Information | None |

12. ECOLOGICAL INFORMATION

| | |
|--------------------------------|---|
| Ecotoxicity | Aquatic Hazard Acute Category 3; Aquatic Hazard Long-term Category 3 under EC 1272/2008 guidelines. |
| Mobility | No additional data available |
| Persistence & Biodegradability | No additional data available |
| Bioaccumulation Potential | No additional data available |
| PBT Assessment Results | No additional data available |
| Precautions | Do not discharge into the environment especially into waterways, sewers and the sea. |



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13. DISPOSAL CONSIDERATIONS

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| Disposal Methods | Do not release into the environment. Collect waste into suitable containers and contact hazardous chemical disposal company. |
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14. TRANSPORT INFORMATION

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| Warning Icon |   |
| Proper Shipping Name | EXTRACTS, AROMATIC, LIQUID |
| UN No. Road | UN 1169 |
| ADR Class | Class 3 |
| Hazard No (ADR) | 30 |
| Hazchem Code | •3Z |
| UN No. SEA | UN 1169 |
| IMDG Class | Class 3 |
| IMDG Pack Gr. | Pk Gp III |
| EMS | F-A, S-F |
| UN No. AIR | UN 1169 |
| Air Class | Class 3 |
| Air Pack Gr. | Pk Gp III |

15. REGULATORY INFORMATION

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|---------------------------|---|
| EU Directives | Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 th Dec 2006 Concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 199/45/EC and repealing Council Regulation Council Regulation (EEC) No793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, and 93/105/EEC and 2000/21/EC including amendments. |
| Statutory Instruments | The Chemicals (Hazard Information and Packaging for Supply Regulations 2009 (S.I. 2009 No 716). |
| Approved Code of Practice | Classification and Labelling of Substances and Preparations Dangerous for Supply. Safety Data Sheets for Substances and Preparations |
| Guidance Notes | Workplace Exposure Limits EH40. CHIP for everyone HSG 108. |

16. OTHER INFORMATION

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| Revision Date | 05/2015 |
| Rev No/Repl, SDS Generated | 1 |

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| Risk Phrases in Full | R10 Flammable R38 Irritating to skin R40 Limited evidence of a carcinogenic effect R43 May cause sensitisation by skin contact R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment R65 Harmful, may cause lung damage if swallowed R68 Possible risk of irreversible effects |
| Hazard Statements in Full | H226 Flammable liquid and vapour H304 May be fatal if swallowed and enters airways H315 Causes skin irritation H317 May cause an allergic skin reaction H319 Causes serious eye irritation H341 Suspected of causing genetic defects H351 Suspected of causing cancer |
| Other Information | Complies with REACH guidance for SDS as circulated by ECHA 2011. |

DISCLAIMER: This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.