







MATERIAL SAFETY DATA SHEET

01. IDENTIFICATION OF THE SUBSTANCE/PREPARATION & THE COMPANY/UNDERTAKING

Product Name	Bay Laurel Leaf Essential Oil				WHC202
Biological Definition	Laurus Nobilis Leaf Oil is the volatile oil obtained from the leaves of the Laurel, Laurus nobilis L., Lauraceae.				
INCI Name	Laurus Nobilis Leaf Oil				
Synonyms & Trade Names	Laurel Leaf Oil				
Supplier					
Reach Registration Number <small>(According to EU Reg 1907/2006)</small>	-				
FEMA No.	-	FDA No.	-	CoE No.	-
CAS-No	8002-41-3 / 8007-48-5	EC No.	-	EINECS No.	-

02. HAZARDS IDENTIFICATION

Classification (1999/45)	No additional data			
Classification (EC 1272/2008)	Physical and Chemical Hazards: Flam. Liq. 3 - H226 Human health: Asp. Tox. 1 - H304, Skin Irrit. 2 - H315, Skin Sens. 1B - H317, Eye Irrit. 2 - H319, Muta. 2 - H341, Carc. 2 - H351 Environment: Aquatic Chronic 2 - H411			
Label in accordance with (EC) No 1272/2008	 GHS02	 GHS08	 GHS07	 GHS09
Signal Word	Danger.			
Contains	alpha-Pinene, beta-Pinene, Limonene			
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. H411 Toxic to aquatic life with long lasting effects			
Precautionary Statements	P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P370+P378 In case of fire: Use carbon dioxide or powder extinguisher to extinguish.			



MATERIAL SAFETY DATA SHEET

	<p>P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.</p> <p>P331 Do NOT induce vomiting.</p> <p>P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.</p> <p>P501 Dispose of contents in accordance with local, state or national legislation.</p> <p>P261 Avoid breathing dust/fume/gas/mist/vapours/spray.</p> <p>P333+P313 If skin irritation or rash occurs: Get medical advice/attention.</p> <p>P362+P364 Take off contaminated clothing. And wash it before reuse.</p> <p>P302+P352 IF ON SKIN: Wash with plenty of water.</p> <p>P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>P337+P313 If eye irritation persists: Get medical advice/attention.</p> <p>P308+P313 IF exposed or concerned: Get medical advice/attention.</p> <p>P273 Avoid release to the environment.</p> <p>P391 Collect spillage.</p>
Supplementary Precautionary Statements	<p>P264 Wash hands and exposed skin thoroughly after handling.</p> <p>P332+P313 If skin irritation occurs: Get medical advice/attention</p>
PBT or vPvB according to Annex XIII	No additional data available.
Adverse physio-chemical properties	No additional data available.
Adverse effects on human health	No additional data available.

03. COMPOSITION/INFORMATION ON INGREDIENTS

Eucalyptol	35.0-55.0%
CAS No: 470-82-6 EC No: 207-431-5	
Classification (EC 1272/2008) Flam. Liq. 3 - H226, Skin Sens. 1 – H317	
Linalool	≤15.0%
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	
alpha-Terpineol Acetate	5.0 – 13.0%
CAS No: 80-26-2 EC No: 201-265-7	
Classification (EC 1272/2008) Aquatic Chronic 2 – H411	
alpha-Pinene	1.0 – 10.0%
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, Aquatic Acute 1 – H400, Aquatic Chronic 1 – H410	
beta-Pinene	1.0 – 10.0%
CAS No: 127-91-3 EC No: 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	



MATERIAL SAFETY DATA SHEET

Methyl Eugenol	≤6.0%
CAS No: 93-15-2 EC No: 202-223-0 Classification (EC 1272/2008) Acute Tox. 4 – H302, Muta. 2 - H341, Carc. 2 – H351	
Limonene	≤4.5%
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	
Eugenol	≤2.5%
CAS No: 97-53-0 EC No: 202-589-1 Classification (EC 1272/2008) Skin Sens. 1B – H317, Eye Irrit. 2 – H319	
Estragole	<1.0%
CAS No: 140-67-0 EC No: 205-427-8 Classification (EC 1272/2008) Acute Tox. 4 – H302, Skin Sens. 1 – H317, Muta. 2 - H341, Carc. 2 – H351	

04. FIRST AID MEASURES

General Information	No additional data available.
Inhalation	Remove from exposure area to fresh air. Get medical advice/attention.
Ingestion	Do not induce vomiting. Ingestion may cause nausea and vomiting. Immediately rinse mouth and provide fresh air. Get medical advice/attention if symptoms persist.
Skin Contact	Remove contaminated clothing immediately and wash skin with soap and water. Get medical advice/attention if any discomfort continues.
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.

05. FIRE-FIGHTING MEASURES

Extinguishing Media	Carbon dioxide (CO2). Dry chemical
Special Fire Fighting Procedures	Avoid inhalation of generated fumes or vapours. Use appropriate respiratory equipment. Do not allow spillage into drains or waterways. Water spray should be used to cool containers.
Specific Hazards	When heated and in case of fire, irritating vapours/gases may be formed.
Protective Measures in Fire	No additional data.

06. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Wear protective clothing as described in Section 8 of this safety data sheet. Handle the product using protective gloves resistant to the chemicals exposed. Avoid
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MATERIAL SAFETY DATA SHEET

	contact with skin and inhalation of its vapours. Maintain adequate ventilation in the working area after spilling.
Environmental Precautions	Do not discharge into drains, water courses or onto the ground. Keep away from surface and ground water.
Spill Clean Up Methods	Cover with an inert, inorganic, non-combustible absorbent material (e.g. dry-lime, sand, soda ash). Place in covered containers using non-sparking tools and transport outdoors. Avoid open flames or sources of ignition. Ventilate area and wash spill site after material pickup is complete. Dispose of in accordance with current laws and regulations.

07. HANDLING AND STORAGE

Usage Precautions	Apply good manufacturing practice & industrial hygiene practices, ensuring proper workplace ventilation. Keep original container closed. Avoid contact with skin and eyes. Observe good personal hygiene, and do not eat, drink or smoke whilst handling. Keep away from heat, sparks and open flame. Avoid exposing to high temperatures during processing.
Storage Precautions	Keep product in its original container well sealed, in a dry, ventilated area, away from potential sources of ignition and protected from light. Follow the precautions indicated on labels

08. EXPOSURE CONTROLS/PERSONAL PROTECTION

Protective Equipment	  
Engineering Measures	Provide adequate ventilation Avoid static discharges in working area
Respiratory Equipment	For high concentrations use respiratory equipment.
Hand Protection	Wear chemical resistant gloves (PVC) tested to EN374.
Eye Protection	Wear approved safety goggles.
Other Protection	Wear appropriate clothing to prevent any possibility of skin contact
Hygiene Measures	Good personal hygiene practices are always advisable, especially when working with chemicals / oils.

09. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear mobile liquid
Colour	Pale yellow to yellow



MATERIAL SAFETY DATA SHEET

Odour	Characteristic.
Relative Density	Approx. 0.917 @ 20°C
Flash Point (°C)	50.0
Refractive Index	Approx. 1.470 @ 20°C
Melting Point (°C)	No additional data available
Boiling Point (°C)	No additional data available
Vapour Pressure	No additional data available
Solubility in Water @20°C	Insoluble.
Auto-ignition temperature (°C)	No additional data available

10. STABILITY AND REACTIVITY

Stability	Stable under the recommended handling and storage conditions.
Conditions to Avoid	Avoid heat, flames and other sources of ignition.
Materials to Avoid	Avoid contact with strong acids, alkalis and oxidising agents.
Hazardous Decomposition Products	In case of fire, dangerous decomposition products can be generated, such as carbon monoxide and dioxide and nitrogen fumes and oxides.

11. TOXOLOGICAL INFORMATION

Acute Toxicity	Not classified.
Skin corrosion / irritation	Causes skin irritation.
Serious eye damage / irritation	Causes serious eye damage.
Respiratory or skin sensitisation	May cause an allergic skin reaction.
Germ Cell Mutagenicity	Suspected of causing genetic defects.
Carcinogenicity	Suspected of causing cancer.
Reproductive toxicity	Not classified

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MATERIAL SAFETY DATA SHEET

STOT-single exposure	Not classified
STOT-repeated exposure	Not classified
Aspiration hazard	May be fatal if swallowed and enters airways.
Photo-toxicity	No additional data available.
Other Information	No additional data available.



12. ECOLOGICAL INFORMATION

Ecotoxicity	Toxic to aquatic life with long lasting effects.
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 allow product to enter streams, sewers and other waterways.

13. DISPOSAL CONSIDERATIONS

Disposal Methods	Do not release into the environment. Collect waste into suitable containers and contact hazardous chemical disposal company. Dispose of in compliance with all local and national regulations.
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14. TRANSPORT INFORMATION

Warning Icon	 
Proper Shipping Name	Extracts, Aromatic, Liquid.

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UN No. Road	UN 1169
ADR Class	3 Flammable Liquid
Hazard No (ADR)	-
Hazchem Code	-
UN No. SEA	UN 1169
IMDG Class	3 Flammable Liquid
IMDG Pack Gr.	III
EMS	-
UN No. AIR	UN 1169
Air Class	3 Flammable Liquid
Air Pack Gr.	III

15. REGULATORY INFORMATION

EU Directives	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.
Statutory Instruments	The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I. 2009 No. 716).
Approved Code of Practice	-
Guidance Notes	Workplace Exposure Limits EH40. CHIP for everyone HSG(108

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16. OTHER INFORMATION

Revision Date	21.11.2018
Rev No/Repl, SDS Generated	4
Risk Phrases in Full	-
Hazard Statements in Full	H226 Flammable liquid and vapour. H302 Harmful if swallowed. 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. H400 Very toxic to aquatic life. H410 Very toxic to aquatic life with long lasting effects. H411 Toxic to aquatic life with long lasting effects.
Other Information	-

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.