



Safety Data Sheet

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

1.1 Product Identifier

Product Name	Lavender oil Population				
Biological Definition	The volatile oil obtained by steam distillation of the freshly cut flowering tops of the herb <i>Lavandula angustifolia</i> P. Miller (Fam. Labitae).				
INCI Name	Lavandula Angustifolia Herb Oil				
Synonyms & Trade Names	-				
CAS-No	90063-37-9	EC No.	289-995-2	EINECS No.	289-995-2

1.2 Relative identified uses of the substance or mixture and uses advised against

No additional data available.

1.3 Details of the supplier of the safety data sheet

Golden Bough Botanicals Inc 12-1585 Cliveden Ave Delta BC V3M 6M1

1.4 Emergency Tel. No.

604-540-8700 (Monday-Friday 8:30 am-4:30 pm)

02. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

The Full Text for all Hazard Statements are displayed in Section 16.

Classification (EC 1272/2008)

Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.
 Skin Irrit. 2 H315 Causes skin irritation.
 Eye Irrit. 2 H319 Causes serious eye irritation.
 Skin Sens. 1 H317 May cause an allergic skin reaction.
 Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.

2.2 Label Elements

Label in accordance with (EC) No 1272/2008



Signal Word	Danger
Contains	Linalool, linalyl acetate, limonene, eucalyptol, 1-octen-3-yl acetate, geranyl acetate, (r)-p-Mentha-1,8-Diene
Hazard Statements	
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H317	May cause an allergic skin reaction.
H304	May be fatal if swallowed and enters airways.
H411	Toxic to aquatic life with long lasting effects.
Precautionary Statements	

P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection
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	
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P333 + P313	If skin irritation or rash occurs: Get medical advice/attention.
P391	Collect spillage.
P405	Store locked up
P501	Dispose of contents/container in accordance with local/regional/national/international regulations
2.3 Other Hazards	
PBT or vPvB according to Annex XIII	No
Adverse physio-chemical properties	Combustible but will not self-ignite
Adverse effects on human health	Can cause serious skin and eye irritation

03. COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures
25.0 – 50.0% Linalool CAS-No.: 78-70-6 EC No.: 201-134-4 Classification (EC 1272/2008) Acute Tox. 5 - H303, Skin Irrit. 2 - H315, Aquatic Acute 3 - H402
35.0 – 45.0% Linalyl Acetate CAS: 115-95-7, EC: 204-116-4 Classification (EC 1272/2008) Skin Irrit. 2, H315; Eye Irrit. 2, H319
2.5-10% (R)-P-Mentha-1,8-Diene CAS: 5989-27-5, EC: 227-813-5 Classification (EC 1272/2008) Flam. Liq. 3, H226, Skin Irrit. 2, H315, Skin Sens. 1, H317, Aquatic Acute 1, H400 M Acute = 1, Aquatic Chronic 1, H410 M Chronic = 1
2.5 - 10.0% Cis Beta Ocimene CAS: 13877-91-3, EC: 237-641-2 Classification (EC 1272/2008) Flam. Liq. 3, H226; Asp. Tox. 1, H304
2.5% - 10.0% beta-Caryophyllene CAS: 87-44-5, EC: 201-746-1 Classification (EC 1272/2008) Asp. Tox. 1, H304
<2.5% Camphor CAS: 76-22-2, EC: 200-945-0 Classification (EC 1272/2008) Acute Tox. 4, H332, Acute Tox. 4, H302, Flam. Sol. 2, H228, STOT SE 2, H371
< 2.5% p-menth-1-en-4-ol CAS: 562-74-3, EINECS: 209-235-5 Classification (EC 1272/2008) Acute Tox. 4, H302; Skin Irrit. 2, H315; Eye Irrit. 2, H319

<p><2.5% Eucalyptol CAS-No.: 4602-84-0 EC No.: 225-004-1</p> <p>Classification (EC 1272/2008) Flam. Liq. 3, H226; Skin Sens. 1B, H317</p>
<p><2.5% Octan -3-one CAS: 106-68-3, EINECS: 203-423-0</p> <p>Classification (EC 1272/2008) Not Classified</p>
<p><2.5% oct-1-en-3-yl acetate CAS: 2442-10-6, EINECS: 219-474-7</p> <p>Classification (EC 1272/2008) Acute Tox. 4, H302; Skin Sens. 1B, H317</p>
<p><2.5% Geranyl Acetate CAS-No.: 105-87-3 EC No.: 203-341-5</p> <p>Classification (EC 1272/2008) Skin Irrit. 2, H315; Skin Sens. 1B, H317; Aquatic Chronic 3, H412</p>

04. FIRST AID MEASURES

4.1 Description of first aid measures	
Inhalation	Remove from exposure area to fresh air. Contact a doctor if necessary.
Ingestion	Do not give the patient anything orally. In the event of swallowing, if the quantity is small (no more than one mouthful), rinse the mouth with water and consult a doctor. Seek medical attention immediately, showing the label..
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.
4.2 Most important symptoms and effects, both acute and delayed	
No additional data available	
4.3 Indication of any immediate medical attention and special treatment needed	
No additional data available	

05. FIRE-FIGHTING MEASURES

5.1 Extinguishing Media	
Use CO2, Dry Powder or Foam type extinguishers, spraying extinguishing media to base of flames. Do not use direct water jet on burning material	
5.2 Special hazards arising from the product	
<p>A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health.</p> <p>Do not breathe in smoke.</p> <p>In the event of a fire, the following may be formed :</p> <ul style="list-style-type: none"> - carbon monoxide (CO) - carbon dioxide (CO2) 	
5.3 Advice for firefighters	
Closed containers may build up pressure when exposed to heat and should be cooled with water spray.	


06. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures
Consult the safety measures listed under headings 7 and 8. For non first aid worker Avoid any contact with the skin and eyes. For first aid worker First aid workers will be equipped with suitable personal protective equipment (See section 8).
6.2 Environmental Precautions
Inform respective authorities in case of seepage into water course or sewage system. Do not allow to enter sewers/ surface or ground water.
6.3 Methods and material for containment and cleaning up.
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose contaminated material as waste according to item 13. Ensure adequate ventilation.
6.4 Reference to other sections
See Section 7 for information on safe handling. See Section 8 for information on personal protection equipment. See Section 13 for disposal information.

07. HANDLING AND STORAGE

7.1 Precautions for safe handling
Ensure good ventilation/exhaustion at the workplace. Prevent formation of aerosols. Information about fire - and explosion protection: No special measures required.
7.2 Conditions for safe storage, including any incompatibilities
Storage: Requirements to be met by storerooms and receptacles: Store only in unopened original receptacles. Information about storage in one common storage facility: Not required. Further information about storage conditions: Store in the dark.
7.3 Specific end use(s)
No additional data available.

08. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters	
None	
8.2 Exposure controls	
Protective Equipment	
	
Process Conditions	Provide eyewash station. Wash hands before breaks and at the end of work.
Engineering Measures	Provide adequate ventilation.
Respiratory Equipment	Not required.
Hand Protection	The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the

	<p>product/ the preparation/ the chemical mixture.</p> <p>Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation</p> <p>Material of gloves</p> <p>The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.</p> <p>Penetration time of glove material</p> <p>The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.</p>
Eye Protection	Avoid contact with the eyes and skin.
Other Protection	<p>Avoid skin contact.</p> <p>Wear suitable protective clothing.</p> <p>Suitable type of protective clothing :</p> <p>In the event of substantial spatter, wear liquid-tight protective clothing against chemical risks (type 3) in accordance with EN14605 to prevent skin contact.</p> <p>In the event of a risk of splashing, wear protective clothing against chemical risks (type 6) in accordance with EN13034 to prevent skin contact.</p> <p>Work clothing worn by personnel shall be laundered regularly.</p> <p>After contact with the product, all parts of the body that have been soiled must be washed.</p>
Hygiene Measures	Good personal hygiene practices are always advisable, especially when working with chemicals / oils. Keep away from foodstuffs, beverages and feed.
Personal Protection	Use personal protection according to Directive 89/686/EEC.
Skin Protection	Avoid contact with the skin. Wear apron or protective clothing in case of splashes.
Environmental Exposure Controls	Avoid discharging into drainage water. Only eliminate by authorised companies.

09. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	Mobile liquid
Colour	Colourless to pale yellow
Odour	Characteristic, fresh, floral
Relative Density	0.874 to 0.884 @ 20°C
Flash Point (°C)	Approx. 73°C
Refractive Index	1.456 to 1.466@ 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 in water.
Auto-ignition temperature (°C)	No additional data available.

9.2 Other information

No additional data available.

10. STABILITY AND REACTIVITY

10.1 Reactivity

No dangerous reactions known.

10.2 Chemical stability

It presents no significant reactivity hazards, by itself or in contact with water.
10.3 Possible hazardous reactions
No additional data available
10.4 Conditions to Avoid
Avoid storage temperatures above 25°C ⁽²⁾
10.5 Incompatible materials
Avoid contact with strong acids, alkalis and oxidising agents.
10.6 Hazardous Decomposition Products
No additional data available.

11. TOXOLOGICAL INFORMATION

11.1 Information on toxicological effects	
Acute Toxicity	<p>Acute toxicity :</p> <p>CAMPHOR L(XN68)=10% X (CAS: 76-22-2) Oral route : LD50 = 1500 mg/kg Inhalation route : LC50 = 1.5 mg/l</p> <p>EUCALYPTOL (CAS: 470-82-6) Oral route : LD50 = 2480 mg/kg</p> <p>LINALOOL (CAS: 78-70-6) Oral route : LD50 = 2790 mg/kg.</p> <p>[All ingredient values above taken from literature. No toxicological data is available for the mixture itself].</p>
Skin corrosion / irritation	May cause irreversible damage to the skin; namely inflammation of the skin or the formation of erythema and eschar or oedema following exposure up to four hours.
Serious eye damage / irritation	May have reversible effects on the eyes, such as eye irritation which is totally reversible by the end of observation at 21 days.
Respiratory or skin sensitisation	Skin sensitisation Category 1B under 1272/2008
Germ Cell Mutagenicity	Not listed as mutagenic
Carcinogenicity	Not listed as carcinogenic
Reproductive toxicity	Not listed as reprotoxicant
STOT-single exposure	No additional data available
STOT-repeated exposure	No additional data available
Aspiration hazard	May be fatal if swallowed and enters airways.
Photo-toxicity	Not considered phototoxic
Other Information	None

12. ECOLOGICAL INFORMATION

12.1 Toxicity
Not considered ecotoxic
12.2 Persistence & degradability
No additional data available.
12.3 Bioaccumulation Potential

No additional data available.
12.4 Mobility in soil
No additional data available.
12.5 Results of PBT and vPvB Assessment
No additional data available
12.6 Other adverse effects
Do not allow product to enter streams, sewers or other waterways.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods
<p>Do not pour into drains or waterways.</p> <p>Waste :</p> <p>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.</p> <p>Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.</p> <p>Do not contaminate the ground or water with waste, do not dispose of waste into the environment.</p> <p>Soiled packaging :</p> <p>Empty container completely. Keep label(s) on container.</p> <p>Give to a certified disposal contractor..</p>

14. TRANSPORT INFORMATION

14.1 UN number						
<table border="1"> <tr> <td>UN No. Road</td> <td>3082</td> </tr> <tr> <td>UN No. SEA</td> <td>3082</td> </tr> <tr> <td>UN No. AIR</td> <td>3082</td> </tr> </table>	UN No. Road	3082	UN No. SEA	3082	UN No. AIR	3082
UN No. Road	3082					
UN No. SEA	3082					
UN No. AIR	3082					
14.2 UN proper shipping name						
ENVIRONMENTALLY HAZARDOUS SUBSTANCE LIQUID N.O.S.						
14.3 Transport hazard class(es)						
<p>ADR/RID/ADN Class 9</p> <p>ADR/RID/ADN Class 9</p> <p>IMDG Class 9</p> <p>ICAO Class/Division 9</p> <p>Transport Labels</p> 						
14.4 Packing group						
<p>ADR/RID/ADN Packing group III</p> <p>IMDG Packing group III</p> <p>ICAO Packing group III</p>						
14.5 Environmental hazards						
Environmentally Hazardous Substance/Marine Pollutant						



14.6 Special precautions for user

ADR/RID

Class	Code	Pack gr.	Label	Ident.	LQ	Provis.	EQ	Cat.	Tunnel
9	M6	III	9	90	5 L	274 335 601	E1	3	E

IMDG

Class	2°Label	Pack gr.	LQ	EMS	Provis.	EQ
9	-	III	5 L	F-A,S-F	274 335	E1

IATA

Class	2°Label	Pack gr.	Passager	Passager Cargo	Cargo	note	EQ
9	-	III	964	450 L 964	450 L	A97 / A158	E1
9	-	III	Y964	30 kg G -	-	A97 / A158	E1

For limited quantities, see part 2.7 of the OACI/IATA and chapter 3.4 of the ADR and IMDG.
For excepted quantities, see part 2.6 of the OACI/IATA and chapter 3.5 of the ADR and IMDG

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC code

No additional data available

15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Statutory Instruments

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, 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.

15.2 Chemical safety assessment

No additional information available.

16. OTHER INFORMATION

Hazard and/or Precautionary Statements in Full	H315 H319 H317 H304 H411	Causes skin irritation. Causes serious eye irritation. May cause an allergic skin reaction. May be fatal if swallowed and enters airways. Toxic to aquatic life with long lasting effects.
Other Information	None	

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