



## Safety Data Sheet

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

#### 1.1 Product Identifier

Product Name	Lavender Oil Spike				
Biological Definition	"Spike Oil". Lavandula Latifolia Herb Oil is an essential oil distilled from the flowering herbs of the Lavender, <i>Lavandula latifolia</i> (syn: <i>Lavandula spica</i> ), <i>Labiatae</i> .				
INCI Name	Lavandula Latifolia Herb Oil				
Synonyms & Trade Names	-				
CAS-No	84837-04-7	EC No.	284-290-6	EINECS No.	284-290-6

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

Suitable for cosmetic, flavouring and professional use only.

#### 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)

Physical hazards:	Not classified.
Health hazards:	Asp. Tox. 1- H304, Skin Irrit. 2 - H315, Skin Sens. 1B - H317, Eye Irrit. 2 - H319
Environmental hazards:	Aquatic Chronic 2 - H411

#### 2.2 Label Elements

Label in accordance with (EC) No 1272/2008



Signal Word

Danger

Contains

Limonene, p-Pymene, d-3-Carene, alpha-Terpinene, alpha-Pinene

##### Hazard Statements

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.  
 H411 Toxic to aquatic life with long lasting effects.

<b>Precautionary Statements</b>	
<p>P261 Avoid breathing mist/vapours/spray.  P273 Avoid release to the environment.  P280 Wear protective gloves/protective clothing/eye protection/face protection.  P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.  P302 + P352 IF ON SKIN: Wash with plenty of soap and water.  P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.  P391 Collect spillage.  P501 Dispose of contents/container in accordance with national regulations</p>	
<b>Supplementary Precautionary Statements</b>	
P264 Wash hands and exposed skin thoroughly after handling.	
<b>2.3 Other Hazards</b>	
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

<b>3.2 Mixtures</b>	
<b>&lt;30.65% Linalool</b>	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	
<b>20.0 – 30.0% Linalyl Acetate</b>	CAS No: 115-95-7, EC No: 204-116-4
Classification (EC 1272/2008) Skin Irrit. 2 - H315; Eye Irrit. 2 - H319	
<b>15.0 - 25.0% Eucalyptol</b>	CAS No: 470-82-6 EC No: 207-431-5
Classification (EC 1272/2008) Flam. Liq. 3 - H226; Skin Sens. 1B - H317	
<b>&lt;8.8% d-Limonene</b>	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	
<b>1.0-5.0% p-Pymene</b>	CAS No: 99-87-6 EC No: 202-796-7
Classification (EC 1272/2008) Flam. Liq. 3 - H226, Asp. Tox. 1- H304, Aquatic Chronic 2 - H411	
<b>1.0 -5.0 % Camphor</b>	CAS No: 76-22-2 EC No: 200-945-0
Classification (EC 1272/2008) Flam. Sol. 2 - H228, Acute Tox. 4 -H302, Acute Tox. 4, H332 - STOT SE 2 -H371	
<b>1.0 -5.0 % d-3-Carene</b>	CAS No: 13466-78-9 EC No: 236-719-3
Classification (EC 1272/2008) Flam. Liq. 3 - H226, Asp. Tox. 1 - H304, Skin Irrit. 2 - H315, Skin Sens. 1 - H317	

<b>1.0 – 5.0% alpha-Terpinene</b>	CAS No: 99-86-5 EC No: 202-795-1
Classification (EC 1272/2008) Flam. Liq. 3 - H226, Acute Tox. 4 - H302, Asp. Tox. 1 - H304, Aquatic Chronic 2 - H411	
<b>1.0 – 5.0% alpha-Pinene</b>	CAS No: 80-56-8 EC No: 201-291-9
Classification (EC 1272/2008) Flam. Liq. 3- H226, Asp. Tox. 1 - H304, Skin Irrit. 2- H315, Skin Sens. 1- H317	

#### 04. FIRST AID MEASURES

<b>4.1 Description of first aid measures</b>	
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.
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.
<b>4.2 Most important symptoms and effects, both acute and delayed</b>	
Causes burns. Allergic contact dermatitis.	
<b>4.3 Indication of any immediate medical attention and special treatment needed</b>	
Treat symptomatically.	

#### 05. FIRE-FIGHTING MEASURES

<b>5.1 Extinguishing Media</b>	
Extinguish with the following media: Foam, carbon dioxide or dry powder. Unsuitable extinguishing media: do not use water jet as an extinguisher.	
<b>5.2 Special hazards arising from the product</b>	
A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health. Do not breathe in smoke. In the event of a fire, the following may be formed : - carbon monoxide (CO) - carbon dioxide (CO <sub>2</sub> )	
<b>5.3 Advice for firefighters</b>	
Avoid inhalation of generated fumes or vapours. Wear self-contained breathing apparatus and appropriate protective clothing.	

#### 06. ACCIDENTAL RELEASE MEASURES


<b>6.1 Personal precautions, protective equipment and emergency procedures</b>	
Consult the safety measures listed under headings 7 and 8. <b>For non first aid worker</b> Avoid any contact with the skin and eyes. <b>For first aid worker</b> First aid workers will be equipped with suitable personal protective equipment (See section 8).	
<b>6.2 Environmental Precautions</b>	
Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal.	

Prevent any material from entering drains or waterways.
<b>6.3 Methods and material for containment and cleaning up.</b>
Clean preferably with a detergent, do not use solvents.
<b>6.4 Reference to other sections</b>
No additional data available.

## 07. HANDLING AND STORAGE

<b>7.1 Precautions for safe handling</b>
<p>Always wash hands after handling.  Remove and wash contaminated clothing before re-using.  Fire prevention :  Prevent access by unauthorised personnel.  Recommended equipment and procedures :  For personal protection, see section 8.  Observe precautions stated on label and also industrial safety regulations.  Avoid skin and eye contact with this mixture.  Prohibited equipment and procedures :  No smoking, eating or drinking in areas where the mixture is used.</p>
<b>7.2 Conditions for safe storage, including any incompatibilities</b>
<p>Packaging  Always keep in packaging made of an identical material to the original.</p>
<b>7.3 Specific end use(s)</b>
No additional data available.

## 08. EXPOSURE CONTROLS/PERSONAL PROTECTION

<b>8.1 Control parameters</b>																																						
<p><b>Occupational exposure limits :</b>  - ACGIH TLV (American Conference of Governmental Industrial Hygienists, Threshold Limit Values, 2010) :</p> <table border="0"> <tr> <td>CAS</td> <td>TWA :</td> <td>STEL :</td> <td>Ceiling :</td> <td>Definition :</td> <td>Criteria :</td> </tr> <tr> <td>76-22-2</td> <td>2 ppm</td> <td>3 ppm</td> <td>-</td> <td>-</td> <td>-</td> </tr> </table> <p>- France (INRS - ED984 :2008) :</p> <table border="0"> <tr> <td>CAS</td> <td>VME-ppm :</td> <td>VME-mg/m3 :</td> <td>VLE-ppm :</td> <td>VLE-mg/m3 :</td> <td>Notes :</td> <td>TMP No :</td> </tr> <tr> <td>76-22-2</td> <td>2</td> <td>12</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> </tr> </table> <p>- UK / WEL (Workplace exposure limits, EH40/2005, 2007) :</p> <table border="0"> <tr> <td>CAS</td> <td>TWA :</td> <td>STEL :</td> <td>Ceiling :</td> <td>Definition :</td> <td>Criteria :</td> </tr> <tr> <td>76-22-2</td> <td>2 ppm</td> <td>3 ppm</td> <td>-</td> <td>-</td> <td>-</td> </tr> </table>	CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :	76-22-2	2 ppm	3 ppm	-	-	-	CAS	VME-ppm :	VME-mg/m3 :	VLE-ppm :	VLE-mg/m3 :	Notes :	TMP No :	76-22-2	2	12	-	-	-	-	CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :	76-22-2	2 ppm	3 ppm	-	-	-
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<b>8.2 Exposure controls</b>																																						
Protective Equipment																																						
																																						
Process Conditions	Provide eyewash station. Wash hands before breaks and at the end of work.																																					

Engineering Measures	Provide adequate ventilation.
Respiratory Equipment	Generally unnecessary in a well ventilated area. If ventilation is insufficient, respiratory protection must be worn.
Hand Protection	Use suitable protective gloves that are resistant to chemical agents in accordance with standard EN374. Gloves must be selected according to the application and duration of use at the workstation.
Eye Protection	Avoid contact with eyes. Use eye protectors designed to protect against liquid splashes. Before handling, wear safety goggles in accordance with standard EN166.
Other Protection	Avoid skin contact. Wear suitable protective clothing. Suitable type of protective clothing : In the event of substantial spatter, wear liquid-tight protective clothing against chemical risks (type 3) in accordance with EN14605 to prevent skin contact. In the event of a risk of splashing, wear protective clothing against chemical risks (type 6) in accordance with EN13034 to prevent skin contact. Work clothing worn by personnel shall be laundered regularly. After contact with the product, all parts of the body that have been soiled must be washed.
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
Relative Density	Approx.0.891 @ 20°C
Flash Point (°C)	68
Refractive Index	Approx.1.460 @ 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 additional data available.

### 10.2 Chemical stability

This mixture is stable under the recommended handling and storage conditions in section 7.
<b>10.3 Possible hazardous reactions</b>
No additional data available.
<b>10.4 Conditions to Avoid</b>
Avoid extreme heat and direct sunlight.
<b>10.5 Incompatible materials</b>
Avoid extreme heat and direct sunlight.
<b>10.6 Hazardous Decomposition Products</b>
The thermal decomposition may release/form : - carbon monoxide (CO) - carbon dioxide (CO <sub>2</sub> ).

## **11. TOXOLOGICAL INFORMATION**

<b>11.1 Information on toxicological effects</b>	
Acute Toxicity	Not classified.
Skin corrosion / irritation	Causes skin irritation.
Serious eye damage / irritation	Causes serious eye irritation.
Respiratory or skin sensitisation	May cause an allergic reaction by skin contact.
Germ Cell Mutagenicity	Not classified.
Carcinogenicity	Not classified.
Reproductive toxicity	Not classified.
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**

<b>12.1 Toxicity</b>	
Toxic to aquatic life with long lasting effects.	
<b>12.2 Persistence &amp; degradability</b>	
No additional data available.	
<b>12.3 Bioaccumulation Potential</b>	
No additional data available.	
<b>12.4 Mobility in soil</b>	
No additional data available.	
<b>12.5 Results of PBT and vPvB Assessment</b>	
No additional data available.	
<b>12.6 Other adverse effects</b>	
No additional data available.	

## **13. DISPOSAL CONSIDERATIONS**

<b>13.1 Waste treatment methods</b>
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Do not pour into drains or waterways.

**Waste :**

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.

Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.

Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

**Soiled packaging :**

Empty container completely. Keep label(s) on container.

Give to a certified disposal contractor.

**14. TRANSPORT INFORMATION**

**14.1 UN number**

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)**

ADR/RID/ADN Class 9  
ADR/RID/ADN Class 9  
IMDG Class 9  
ICAO Class/Division 9

Transport Labels



**14.4 Packing group**

ADR/RID/ADN Packing group III  
IMDG Packing group III  
ICAO Packing group III

**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	H226 Flammable liquid and vapour. H228 Flammable solid. 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. H332 Harmful if inhaled. H371 May cause damage to organs. 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	None
Revision Date	February 28, 2018
Reason for revision	Updated SDS
Rev No/Repl, SDS Generated	02, replaces 01



**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.**