



Safety Data Sheet

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

1.1 Product Identifier

Product Name	Verbena Oil Spanish Blended				
Biological Definition	The mixture of various natural oils to replicate the broad aroma of Verbena Oil.				
INCI Name	Parfum				
Synonyms & Trade Names	-				
CAS-No	N/A	EC No.	N/A	EINECS No.	N/A

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)

Physical and Chemical Hazards: None

Human health: H318 Causes serious eye damage
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.

Environment: 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

Geraniol.

Hazard Statements

H318 Causes serious eye damage.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H411 Toxic to aquatic life with long lasting effects.

Precautionary Statements

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P310: Immediately call a POISON CENTER/doctor.
 P501: Dispose of contents in accordance with local, state or national legislation.
 P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
 P333+P313: If skin irritation or rash occurs: Get medical advice/attention.
 P362+P364: Take off contaminated clothing. And wash it before reuse.
 P302+P352: IF ON SKIN: Wash with plenty of water.
 P273: Avoid release to the environment.
 P391: Collect spillage.

Supplementary Precautionary Statements

P264: Wash hands and exposed skin thoroughly after handling.
 P332+P313: If skin irritation occurs: Get medical advice/attention.

2.3 Other Hazards

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

3.2 Mixtures

≤**70.2% Citral** CAS-No.: 5392-40-5 EC No.: 226-394-6

Classification (EC 1272/2008) Skin Irrit. 2 - H315; Skin Sens. 1 - H317, Eye Irrit. 2 - H319

≤**7.59% Geraniol** CAS-No.: 106-24-1 EC No.: 203-377-1

Classification (EC 1272/2008) Skin Irrit. 2 – H315, Skin Sens. 1 - H317, Eye Dam. 1 – H318

≤ **4.00 Citronellal** CAS-No.: 106-23-0 EC No.: 203-376-6

Classification (EC 1272/2008) Skin Irrit. 2 – H315, Skin Sens. 1 – H317, Eye Irrit. 2 – H319, Aquatic Chronic 2 – H411

≤ **3.8% d-Limonene** 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

≤ **0.25% Citronellol** CAS-No.: 106-22-9 EC No.: 203-375-0

Classification (EC 1272/2008) Skin Irrit. 2 – H315, Skin Sens. 1B - H317, Eye Irrit. 2 – H319

≤ **0.33% Linalool** CAS-No.: 78-70-6 EC No.: 201-134-4

Classification (EC 1272/2008) Skin Irrit. 2 – H315

≤ **0.11% alpha - Pinene** 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. 1A – H317, Aquatic Acute 1 - H400, Aquatic Chronic 1 – H410

<p>≤ 0.17% beta- Pinene CAS-No.: 127-91-3 EC No.: 204-872-5</p> <p>Classification (EC 1272/2008) Flam. Liq. 3 – H226, Asp. Tox. 1 - H304, Skin Irrit. 2 - H315, Skin Sens. 1A – H317, Aquatic Acute 1 - H400, Aquatic Chronic 1 – H410</p>
<p>≤ 0.16% Sabinene CAS-No.: 3387-41-5 EC No.: 222-212-4</p> <p>Classification (EC 1272/2008) Flam. Liq. 3 – H226, Asp. Tox. 1 – H304</p>
<p>≤ 0.14% Myrcene CAS-No.: 123-35-3 EC No.: 204-622-5</p> <p>Classification (EC 1272/2008) Flam. Liq. 3 – H226, Asp. Tox. 1 – H304, Skin Irrit. 2 - H315, Eye Irrit. 2 – H315, Eye Irrit. 2 – H319</p>
<p>≤ 0.01% Methyl Eugenol CAS-No.: 93-15-2 EC No.: 202-223-0</p> <p>Classification (EC 1272/2008) Acute Tox. 4 – H302, Muta. 2 H341, Carc. 2 – H351</p>

04. FIRST AID MEASURES

4.1 Description of first aid measures	
Inhalation	Remove victim immediately from source of exposure to fresh air. Keep the person warm and at rest. Call a doctor in case of persistence or worsening of adverse health effects. If unconscious, place the person in recovery position and call a physician immediately. Ensure good air circulation.
Ingestion	DO NOT INDUCE VOMITING! Immediately rinse mouth and provide fresh air. Get medical attention. Move exposed person to fresh air. Keep the person warm and at rest. If vomiting occurs, keep head down to prevent the passage of vomit into the lungs. Call a doctor in case of persistence or worsening of adverse health effects. If unconscious, place the person in recovery position and call a physician immediately. Ensure good air circulation.
Skin Contact	Remove contaminated clothing immediately and wash skin with soap and water. Get medical 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 attention immediately. Continue to rinse.
4.2 Most important symptoms and effects, both acute and delayed	
For details on the consequences in terms of health and symptoms, see Section 11.	
4.3 Indication of any immediate medical attention and special treatment needed	
No special treatment. Treat symptomatically. Contact a specialist for treatment of poisoning if large amounts are ingested or inhaled.	

05. FIRE-FIGHTING MEASURES

5.1 Extinguishing Media	
Suitable extinguishing media:	Carbon dioxide extinguishers or dry (Class ABC) fire extinguisher foam.
Unsuitable extinguishing agents:	Water spray.
5.2 Special hazards arising from the product	
Possible production of toxic fumes in case of a fire.	
5.3 Advice for firefighters	
Avoid breathing vapours and fumes. Use a mask if necessary. Do not attack the fire with water: the water instead of stifling tends to fuel the fire. Essential oils have the ability to float on water. The fire spread is then	

accelerated. To extinguish an incipient fire based essential oil, use dry powder-specific ABC (or equivalent). If the fire is not important, it can be smothered by covering with earth, sand or blanket.

06. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Avoid all flammable sources. Ventilate premises. Do not smoke.

6.2 Environmental Precautions

Avoid contamination of drains, surface water and groundwater. Dispose of rags, sponges, etc. used to mop up by current local regulations.

6.3 Methods and material for containment and cleaning up.

Large spills should be cleaned with inert absorbent material that will be scanned and then destroyed in accordance with existing regulations.

6.4 Reference to other sections

Wear protective clothing as described in Section 8 of this safety data sheet.
For waste disposal, see Section 13.

07. HANDLING AND STORAGE

7.1 Precautions for safe handling

Avoid contact, do not inhale the vapours, do not swallow, work under a hood or suction arm. Prevent access to persons not required and not wearing protective clothing. Do not touch or walk through the product. Check for an adequate ventilation. Wear appropriate respiratory protection such as the ventilation is inadequate.

7.2 Conditions for safe storage, including any incompatibilities

Store in original container or other approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain residual product. Do not reuse.

7.3 Specific end use(s)

No additional data available.

08. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Unregulated. No specific exposure limits for this product.

8.2 Exposure controls

Protective Equipment



Process Conditions	Provide eyewash station.
Engineering Measures	Provide adequate ventilation.
Respiratory Equipment	Not normally needed in well ventilated areas (unless otherwise stated).
Hand Protection	Chemical resistant gloves (PVC).
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.
Personal Protection	Use personal protection according to Directive 89/686/EEC.
Skin Protection	Wear apron or protective clothing in case of splashes.

Environmental Exposure Controls	Avoid discharging into drainage water. Only eliminate by authorised companies.
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09. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties	
Appearance	Mobile liquid, pale yellow to yellow.
Colour	Pale yellow to yellow.
Odour	Characteristic - Fresh, lemony, sweet and fruity.
Relative Density	Approx. 0.884 @ 20°C
Flash Point (°C)	69.0
Refractive Index	Approx. 1.483 @ 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	
Products from natural origin do not provide identical composition for each production. These values are indicative and do not exclude the possibility of slight variations.	

10. STABILITY AND REACTIVITY

10.1 Reactivity	
This product is stable to shock, vibration and pressure under normal conditions of use. In the presence of light and heat, oxidation can occur.	
10.2 Chemical stability	
No significant changes in the composition in time respecting the storage conditions described in 7.2.	
10.3 Possible hazardous reactions	
No additional data available.	
10.4 Conditions to Avoid	
Do not heat to high temperature. Do not expose sealed containers in the sun. Keep away from sources of ignition.	
10.5 Incompatible materials	
Materials To Avoid: P.V.C.	
10.6 Hazardous Decomposition Products	
No decomposition if used as directed.	

11. TOXOLOGICAL INFORMATION

11.1 Information on toxicological effects	
Acute Toxicity	No additional data available.
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	No additional data available.
Carcinogenicity	No additional data available.
Reproductive toxicity	No additional data available.

STOT-single exposure	No additional data available.
STOT-repeated exposure	No additional data available.
Aspiration hazard	No additional data available.
Photo-toxicity	No additional data available.
Other Information	No additional data available.


12. ECOLOGICAL INFORMATION


12.1 Toxicity
Toxic to aquatic life with long lasting effects.
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
Do not discharge into drains or watercourses. Recycle or dispose of in accordance with prevailing regulations, preferably by a collector or an approved company. Do not contaminate the soil or water with waste, do not dispose in the environment. Completely empty container. Conserve or labels on the 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: Miscellaneous dangerous substances and articles.
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	
Tunnel Restriction Code:	A,B,C,D
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	
<u>Statutory Instruments</u> The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716). <u>Guidance Notes</u> Workplace Exposure Limits EH40. CHIP for everyone HSG(108). <u>EU Legislation</u> 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. H302 Harmful if swallowed. H304 May be fatal if swallowed and enters airways. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H318 Causes serious eye damage H319 Causes serious eye irritation. H341 Suspected of causing genetic defects. H351 Suspected of causing cancer H400 Very toxic to aquatic life with long lasting effects. H410 Very toxic to aquatic life with long lasting effects. H411 Toxic to aquatic life with long lasting effects.
Other Information	None.
Revision Date	January 16, 2017

Reason for revision	Updated
Rev No/Repl, SDS Generated	03, replaces 02

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