



Safety Data Sheet

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

1.1 Product Identifier

Product Name	BM Essential Oil Blend				
Biological Definition	A blend of essential oils				
INCI Name	See separate list.				
Synonyms & Trade Names	-				
CAS-No	-	EC No.	-	EINECS No.	-

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

Fragrances: Use in accordance with good manufacturing and industrial hygiene practices.

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

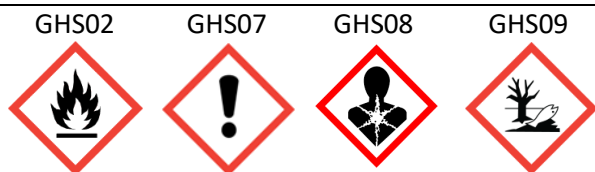
The full text for all hazard statements are displayed in Section 16.

Classification (EC 1272/2008)

Physical and Chemical Hazards:	Flam. Liq. 3 - H226
Human health:	Asp. Tox. 1 – H304, Skin Irrit. 2 – H315, Skin Sens. 1 – H317, Eye Irrit. 2 – H319
Environment:	Aquatic Chronic 1 – H410

2.2 Label Elements

Label in accordance with (EC) No 1272/2008



Signal Word

Danger.

Contains

Limonene, alpha-Pinene, beta-Pinene, gamma-Terpinene, Terpinolene, p-mentha-1,3-diene.

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.
- H410 Very 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.
 P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.
 P331 Do NOT induce vomiting.
 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.
 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.
 P337+P313 If eye irritation persists: Get medical advice/attention.
 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

<40.0% 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

10.0 – 20.0% 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.1 - H317

<10.0% Linalool CAS No: 78-70-6 EC No: 201-134-4

Classification (EC 1272/2008) Skin Irrit. 2 – H315, Eye Irrit. 2 – H319

5.0 - 10.0% Linalyl Acetate CAS No: 115-95-7 EC No: 204-116-4

Classification (EC 1272/2008) Skin Irrit. 2 – H315, Eye Irrit. 2 – H319

5.0 - 10.0% beta-Pinene 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

5.0 - 10.0% gamma-Terpinene (p-mentha-1,4-diene) CAS No: 99-85-4 EC No: 202-794-6

Classification (EC 1272/2008) Flam. Liq. 3 – H226, Asp Tox. 1 – H304

<p>2.0 – 5.0% Citronellol CAS No: 106-22-9 EC No: 203-375-0</p> <p>Classification (EC 1272/2008) Skin Irrit. 2 - H315, Skin Sens. 1 - H317, Eye Irrit. 2 – H319</p>
<p>2.0 – 5.0% Eucalyptol CAS No: 470-82-6 EC No: 207-431-5</p> <p>Classification (EC 1272/2008) Flam. Liq. 3 – H226, Skin Sens. 1 – H317</p>
<p><2.0% Citral CAS No: 5392-40-5 EC No: 226-394-6</p> <p>Classification (EC 1272/2008) Skin Irrit. 2 - H315, Skin Sens. 1 - H317, Eye Irrit. 2 - H319</p>
<p><2.5% Geraniol CAS No: 106-24-1 EC No: 203-377-1</p> <p>Classification (EC 1272/2008) Skin Irrit. 2 - H315, Skin Sens. 1 - H317, Eye Dam. 1 – H318</p>
<p>1 – 2% Terpinolene CAS No: 586-62-9 EC No: 209-578-0</p> <p>Classification (EC 1272/2008) Asp Tox. 1 – H304, Skin Sens. 1 - H317, Aquatic Chronic 1 - H410</p>
<p>1 – 2% p-mentha-1,3-diene CAS No: 99-86-5 EC No: 202-795-1</p> <p>Classification (EC 1272/2008) Flam. Liq. 3 - H226, Acute Tox. 4 – H302, Asp. Tox. 1 -H304, Aquatic Chronic 2 – H411</p>
<p><1.0% 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 – H319</p>
<p><1.0% Camphor CAS No: 76-22-2 EC No: 200-945-0</p> <p>Classification (EC 1272/2008) Flam. Sol. 2 – H228, Acute Tox. 4 – H332, STOT SE 2 – H371</p>
<p><1.0% Camphene CAS No: 79-92-5 EC No: 201-234-8</p> <p>Classification (EC 1272/2008) Flam. Sol. 1 - H228, Eye Irrit. 2 – H319, Aquatic Acute 1 – H400, Aquatic Chronic 1 – H410</p>
<p><1.0% Sabinene CAS No: 3387-41-5 EC No: 222-212-4</p> <p>Classification (EC 1272/2008) Flammable Liq. Cat 3 - H226, Asp. Tox. 1 – H304</p>
<p><1.0% p – Cymene CAS No: 99-87-6 EC No: 202-796-7</p> <p>Flam. Liq. 3 – H226, Asp. Tox. 1 – H304, Aquatic Chronic 2 – H411</p>
<p><1.0% alpha- Terpineol CAS No: 98-55-5 EC No: 202-680-6</p> <p>Classification (EC 1272/2008) Skin Irrit. 2 - H315, Eye Irrit. 2 – H319</p>

<1.0% 1,4-Cineole CAS No: 470-67-7 EC No: 207-428-9

Classification (EC 1272/2008) Flam. Liq. 3 – H226

04. FIRST AID MEASURES

4.1 Description of first aid measures

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.

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

Extinguishing media: Carbon dioxide (CO₂). Dry chemical

5.2 Special hazards arising from the product

. When heated and in case of fire, irritating vapours/gases may be formed.

5.3 Advice for firefighters

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.

06. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

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 contact with skin and inhalation of its vapours. Maintain adequate ventilation in the working area after spilling.

6.2 Environmental Precautions

Do not discharge into drains, water courses or onto the ground. Keep away from surface and ground water.

6.3 Methods and material for containment and cleaning up.

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.

6.4 Reference to other sections

See sections 4, 8 and 13.


07. HANDLING AND STORAGE

7.1 Precautions for safe handling

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.
7.2 Conditions for safe storage, including any incompatibilities
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.
7.3 Specific end use(s)
No additional data available.

08. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters	
No additional data available.	
8.2 Exposure controls	
Protective Equipment	
	
Process Conditions	Provide eyewash station.
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.
Personal Protection	Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact.
Skin Protection	Wear apron or protective clothing to avoid skin contact.
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	Clear Mobile liquid, light yellow.
Colour	Light yellow.
Odour	Characteristic.
Relative Density	0.850 - 0.915 @ 20°C
Flash Point (°C)	~ 51
Refractive Index	1.458 - 1.476 @ 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	No additional data available.
Auto-ignition temperature (°C)	No additional data available.
9.2 Other information	
No additional data available.	

10. STABILITY AND REACTIVITY

10.1 Reactivity
Presents no significant reactivity hazards. Stable under the recommended handling and storage conditions.
10.2 Chemical stability
Stable under the recommended handling and storage conditions.
10.3 Possible hazardous reactions
Not expected under normal temperature conditions and recommended use.
10.4 Conditions to Avoid
Avoid heat, flames and other sources of ignition.
10.5 Incompatible materials
Avoid contact with strong acids, alkalis and oxidising agents.
10.6 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

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 irritation.
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	May be fatal if swallowed and enters airways.
Photo-toxicity	No additional data available.
Other Information	No additional data available.

12. ECOLOGICAL INFORMATION

12.1 Toxicity
Very 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 and other waterways.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment 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.

14. TRANSPORT INFORMATION

14.1 UN number

UN No. Road	UN 1169
UN No. SEA	UN 1169
UN No. AIR	UN 1169

14.2 UN proper shipping name

Extracts, Aromatic, Liquid.

14.3 Transport hazard class(es)

ADR/RID/ADN Class: 3 Flammable Liquid.
IMDG Class: 3 Flammable Liquid.
ICAO Class/Division: 3 Flammable Liquid.

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

This product is flammable and dangerous for the environment.
Tunnel restriction code D/E

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. 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	March 23, 2017
Reason for revision	New SDS.
Rev No/Repl, SDS Generated	01

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