



Safety Data Sheet

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

1.1 Product Identifier

| | | | | | |
|------------------------|-----------------|--------|---|------------|---|
| Product Name | Lemon Fragrance | | | | |
| Biological Definition | Lemon Fragrance | | | | |
| INCI Name | Parfum | | | | |
| Synonyms & Trade Names | | | | | |
| CAS-No | - | EC No. | - | EINECS No. | - |

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

Concentrated material for manufacturing purposes 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

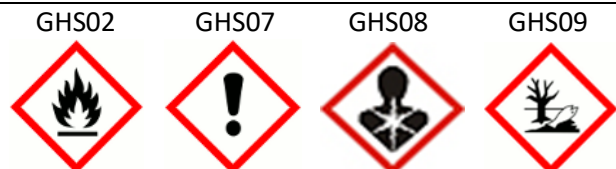
The full text for all hazard statements is displayed in Section 16.

Classification (EC 1272/2008)

Flammable Liquid, Hazard Category 3
 Skin Corrosion / Irritation Category 2
 Eye Damage / Irritation Category 2
 Sensitization - Skin Category 1
 Aspiration Hazard Category 1
 Hazardous to the Aquatic Environment - Acute Hazard Category 1
 Hazardous to the Aquatic Environment - Long-term Hazard Category 1

2.2 Label Elements

Label in accordance with (EC) No 1272/2008



Signal Word

Danger

Contains

EUH208, Contains Citral, Linalool, 4,7,7-trimethylbicyclo[3.1.1]hept-3-ene, 7,7-dimethyl-4-methylidenebicyclo[3.1.1]heptane, Terpinolene 100%, 1,8-Cineole, Lauric aldehyde. May produce an allergic reaction.

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, sparks, open flames and hot surfaces. - No smoking.
 P233, Keep container tightly closed.
 P240, Ground/bond container and receiving equipment.
 P241, Use explosion-proof electrical, ventilating and lighting equipment.
 P242, Use only non-sparking tools.
 P243, Take precautionary measures against static discharge.
 P261, Avoid breathing vapour or dust.
 P264, Wash hands and other contacted skin thoroughly after handling.
 P272, Contaminated work clothing should not be allowed out of the workplace.
 P273, Avoid release to the environment.
 P280, Wear protective gloves/eye protection/face protection.
 P301/310, IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
 P303/361/353, IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.
 P305/351/338, IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P331, Do not induce vomiting.
 P333/313, If skin irritation or rash occurs: Get medical advice/attention.
 P337/313, If eye irritation persists: Get medical advice/attention.
 P362, Take off contaminated clothing and wash before reuse.
 P370/378, In case of fire: Use carbon dioxide, dry chemical, foam for extinction.
 P391, Collect spillage.
 P403/235, Store in a well-ventilated place. Keep cool.
 P405, Store locked up.
 P501, Dispose of contents/container to approved disposal site, in accordance with local regulations.

Supplementary Precautionary Statements

None.

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

3.1 Substances

29.95% (r)-para-Mentha-1,8-diene Cas No: 5989-27-5 EC No: 227-813-5

Classification (EC 1272/2008): FL 3-SCI 2-SS 1B-AH 1-EH A1-EH C1;H226- H304-H315-H317- H410,-

7.5% Terpineol Cas No: 8000-41-7 EC No: 232-268-1

Classification (EC 1272/2008): SCI 2-EDI 2;H315- H319,-

| | | |
|---|-------------------|------------------|
| 2.17% 2-(4-methyl-1-cyclohex-3-enyl)propan-2-ol | Cas No: 98-55-5 | EC No: 202-680-6 |
| Classification (EC 1272/2008): SCI 2-EDI 2;H315- H319,- | | |
| 1.0% Aldehyde C10 | Cas No: 112-31-2 | EC No: 203-957-4 |
| Classification (EC 1272/2008): EDI 2-EH C3;H319- H412,- | | |
| 0.82% Hydrocarbon terpenes and sesquiterpenes | Cas No: | EC No: |
| Classification (EC 1272/2008): AH 1;H304,- | | |
| 0.75% Terpinolene 100% | Cas No: 586-62-9 | EC No: 209-578-0 |
| Classification (EC 1272/2008): SS 1B-AH 1-EH A1-EH C1;H304-H317-H410,- | | |
| 0.64% Myrcene | Cas No: 123-35-3 | EC No: 204-622-5 |
| Classification (EC 1272/2008): FL 3-SCI 2-EDI 2-AH 1; H226-H304-H315- H319,- | | |
| 0.51% Linalool | Cas No: 78-70-6 | EC No: 201-134-4 |
| Classification (EC 1272/2008): SCI 2-EDI 2-SS 1B; H315-H317-H319,- | | |
| 0.5% Citral | Cas No: 5392-40-5 | EC No: 226-394-6 |
| Classification (EC 1272/2008): SCI 2-EDI 2-SS 1B; H315-H317-H319,- | | |
| 0.39% 4,7,7-trimethylbicyclo[3.1.1]hept-3-ene | Cas No: 80-56-8 | EC No: 201-291-9 |
| Classification (EC 1272/2008): FL 3-SCI 2-SS 1B-AH 1-EH A1-EH C1;H226- H304-H315-H317- H410,- | | |
| 0.32% 7,7-dimethyl-4-methylidenebicyclo[3.1.1]heptane | Cas No: 127-91-3 | EC No: 204-872-5 |
| Classification (EC 1272/2008): FL 3-SCI 2-SS 1B-AH 1-EH A1-EH C1;H226- H304-H315-H317- H410,- | | |
| 0.29% p-Mentha-1,4-diene | Cas No: 99-85-4 | EC No: |
| Classification (EC 1272/2008): FL 3-AH 1;H226-H304, | | |
| 0.23% Para-Cymene | Cas No: 99-87-6 | EC No: 202-796-7 |
| Classification (EC 1272/2008): FL 3-AH 1-EH C2; H226-H304-H411,- | | |
| 0.2% 1,8-Cineole | Cas No: 470-82-6 | EC No: 207-431-5 |
| Classification (EC 1272/2008): FL 3-SS 1B;H226- H317,- | | |
| 0.15% Lauric aldehyde | Cas No: 112-54-9 | EC No: 203-983-6 |
| Classification (EC 1272/2008): SCI 2-EDI 2-SS 1B; H315-H317-H319,- | | |

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|---|-------------------|------------------|
| 0.13% Phellandrene | Cas No: 99-83-2 | EC No: |
| Classification (EC 1272/2008): FL 3-ATO 4-AH 1; H226-H302-H304,- | | |
| 0.13% p-Mentha-1,3-diene | Cas No: 99-86-5 | EC No: |
| Classification (EC 1272/2008): FL 3-ATO 4-AH 1-EH C2;H226-H302-H304- H411,- | | |
| 0.11% Camphene | Cas No: 79-92-5 | EC No: 201-234-8 |
| Classification (EC 1272/2008): FS 2-EH A1-EH C1; H228-H320-H410,- | | |
| 0.09% L-Limonene | Cas No: 5989-54-8 | EC No: 227-815-6 |
| Classification (EC 1272/2008): FL 3-SCI 2-SS 1B-AH 1-EH A1-EH C1;H226- H304-H315-H317- H410,- | | |
| 0.007% Caryophyllene | Cas No: 87-44-5 | EC No: 201-746-1 |
| Classification (EC 1272/2008): SS 1B-AH 1;H304- H317,- | | |

04. FIRST AID MEASURES

4.1 Description of first aid measures

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|--------------|---|
| Inhalation | Remove immediately from source of exposure into fresh air. Seek medical attention if discomfort continues. |
| Ingestion | Seek medical attention immediately. |
| Skin Contact | Remove contaminated clothing immediately and wash skin with soap and water. Seek medical attention if symptoms are severe or persist after washing. |
| Eye Contact | Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Seek medical attention immediately. Continue to rinse. |

4.2 Most important symptoms and effects, both acute and delayed

May be fatal if swallowed and enters airways.
 Causes skin irritation.
 May cause an allergic skin reaction.
 Causes serious eye irritation.

4.3 Indication of any immediate medical attention and special treatment needed

None expected, see Section 4.1 for further information.

05. FIRE-FIGHTING MEASURES

5.1 Extinguishing Media

Extinguishing media: Carbon dioxide (CO₂). Powder. Foam.
 Unsuitable extinguishing media: Water.

5.2 Special hazards arising from the product

In case of fire, may be liberated: Carbon monoxide, Unidentified organic compounds.

5.3 Advice for firefighters

In case of insufficient ventilation, wear suitable respiratory equipment.


06. ACCIDENTAL RELEASE MEASURES

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| 6.1 Personal precautions, protective equipment and emergency procedures |
| Avoid inhalation. Avoid contact with skin and eyes. See protective measures under Section 7 and 8. |
| 6.2 Environmental Precautions |
| Do not discharge into drains, water courses or onto the ground. |
| 6.3 Methods and material for containment and cleaning up. |
| Remove ignition sources. Provide adequate ventilation. Avoid excessive inhalation of vapours. Contain spillage immediately by use of sand or inert powder. Dispose of according to local regulations. |
| 6.4 Reference to other sections |
| Also refer to sections 8 and 13. |

07. HANDLING AND STORAGE

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| 7.1 Precautions for safe handling |
| Keep away from heat, sparks, open flames and hot surfaces. - No smoking. |
| 7.2 Conditions for safe storage, including any incompatibilities |
| Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharge. |
| 7.3 Specific end use(s) |
| No additional data available. |

08. EXPOSURE CONTROLS/PERSONAL PROTECTION

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|---|---|
| 8.1 Control parameters | |
| No additional data available. | |
| 8.2 Exposure controls | |
| Protective Equipment | |
|  | |
| Process Conditions | No additional data available. |
| Engineering Measures | Provide adequate ventilation or respiratory protection. |
| Respiratory Equipment | Under normal conditions of use and where adequate ventilation is available to prevent build up of excessive vapour, this material should not require special engineering controls. However, in conditions of high or prolonged use, or high temperature or other conditions which increase exposure, the following engineering controls can be used to minimise exposure to personnel: a) Increase ventilation of the area with local exhaust ventilation. b) Personnel can use an approved, appropriately fitted respirator with organic vapour cartridge or canisters and particulate filters. c) Use closed systems for transferring and processing this material. Also refer to Sections 2 and 7. |
| Hand Protection | Wear protective gloves/eye protection/face protection. |
| Eye Protection | Wear protective gloves/eye protection/face protection. |
| 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 | Avoid contact with skin and eyes. Avoid inhalation of vapours. |
| Skin Protection | Wear apron or protective clothing in case of splashes. |

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| Environmental Exposure Controls | Avoid discharging into drainage water. Only eliminate by authorised companies. Residues and empty containers should be taken care of as hazardous waste according to local and national provisions. |
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09. PHYSICAL AND CHEMICAL PROPERTIES

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| 9.1 Information on basic physical and chemical properties | |
| Appearance | Clear Mobile Liquid, yellow. |
| Colour | Yellow. |
| Odour | Characteristic. |
| Relative Density | Approx. 0.935 @ 20°C. |
| Flash Point (°C) | 55.0 |
| Refractive Index | Approx. 1.500 @ 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

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| 10.1 Reactivity | |
| Presents no significant reactivity hazard, by itself or in contact with water. | |
| 10.2 Chemical stability | |
| Stable under the recommended handling, temperature and storage conditions. | |
| 10.3 Possible hazardous reactions | |
| Not expected under normal conditions of use. | |
| 10.4 Conditions to Avoid | |
| Avoid extreme heat. | |
| 10.5 Incompatible materials | |
| Avoid contact with strong acids, alkalis or oxidising agents. | |
| 10.6 Hazardous Decomposition Products | |
| Not expected. | |

11. TOXOLOGICAL INFORMATION

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| 11.1 Information on toxicological effects | |
| Acute Toxicity | Acute toxicity – oral > 5000 Acute toxicity – dermal) 300.0 Acute toxicity – inhalation) 300.0 |
| Skin corrosion / irritation | Skin Corrosion / Irritation Category 2. |
| Serious eye damage / irritation | Eye Damage / Irritation Category 2. |
| Respiratory or skin sensitisation | Sensitization - Skin Category 1. |
| Germ Cell Mutagenicity | Based on available data the classification criteria are not met. |
| Carcinogenicity | Based on available data the classification criteria are not met. |

| | |
|------------------------|--|
| Reproductive toxicity | Based on available data the classification criteria are not met. |
| STOT-single exposure | Based on available data the classification criteria are not met. |
| STOT-repeated exposure | Based on available data the classification criteria are not met. |
| Aspiration hazard | Aspiration Hazard Category 1. |
| Photo-toxicity | No additional data available. |
| Other Information | No additional data available. |

12. ECOLOGICAL INFORMATION

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| 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 |
| This substance does not meet the PBT/vPvB criteria of REACH, annex XIII. |
| 12.6 Other adverse effects |
| Do not allow product to enter streams, sewers or other waterways. Water Hazard Class; WGK-2 |

13. DISPOSAL CONSIDERATIONS

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| 13.1 Waste treatment methods |
| Dispose of in accordance with local regulations. Avoid disposing into drainage systems and into the environment. Empty containers should be taken to an approved waste handling site for recycling or disposal. |

14. TRANSPORT INFORMATION

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| 14.1 UN number | |
| UN No. Road | 1169 |
| UN No. SEA | 1169 |
| UN No. AIR | 1169 |
| 14.2 UN proper shipping name | |
| EXTRACTS, AROMATIC, LIQUID | |
| 14.3 Transport hazard class(es) | |
| ADR/RID class | 3 |
| IMDG class | 3 |
| ICAO class/division | 3 |
| ADN class | 3 |
| Transport labels | |



14.4 Packing group

| | |
|-----------------------|-----|
| ADR/RID packing group | III |
| IMDG packing group | III |
| ADN packing group | III |
| ICAO packing group | III |

14.5 Environmental hazards

Environmentally hazardous substance/marine pollutant



14.6 Special precautions for user

No additional data available.

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

Not applicable.

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.
H320 Causes eye irritation.
H410 Very toxic to aquatic life with long lasting effects.
H411 Toxic to aquatic life with long lasting effects.
H412 Harmful to aquatic life with long lasting effects.

| | |
|----------------------------|--|
| Other Information | Concentration % Limits: EH A1=79.32% EH C1=79.32% EH C2=7.93% EH C3=0.79292508% EH C4=76.88% SCI 2=25.24% EDI 2=93.72% EDI 2A=93.72% SS 1=3.34% AH 1=29.54% Total Fractional Values: EH A1=1.26 EH C1=1.26 EH C2=12.61 EH C3=126.12 EH C4=1.30 SCI 2=3.96 EDI 2=1.07 EDI 2A=1.07 SS 1=29.95 AH 1=3.38 |
| Revision Date | July 20, 2017 |
| Reason for revision | New SDS |
| Rev No/Repl, SDS Generated | 01 |

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