



Safety Data Sheet

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

1.1 Product Identifier

Product Name: Basil Oil Linalool

Biological Definition: Ocimum Basilicum Oil is the volatile oil obtained from the leaves of the Basil, *Ocimum basilicum* L., Labiatae. Linalool Type

INCI Name: Ocimum Basilicum Oil

Synonyms & Trade Name: Basil Sweet.

CAS-No	84775-71-3 / 8015-73-4	EC No.	283-900-8 / -	EINECS No.	283-900-8 / -
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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)

2. 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)

Acute toxicity - Oral Category 4 - (H302).

Skin corrosion/irritation Category 2 - (H315).

Serious eye damage/eye irritation Category 2 - (H319).

Skin sensitization Category 1 - (H317).

Germ cell mutagenicity Category 2 - (H341).

Carcinogenicity Category 2 - (H351).

Chronic aquatic toxicity Category 3 - (H412).

2.2 Label Elements

Label in accordance with (EC) No 1272/2008

GHS07

GHS08



Signal Word:

WARNING

Contains:

LINALOOL and ESTRAGOLE.

Hazard Statements

H302 Harmful if swallowed

H315 Causes skin irritation

H317 May cause an allergic skin reaction

H319 Causes serious eye irritation
H341 Suspected of causing genetic defects
H351 Suspected of causing cancer
H412 Harmful 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.
P302+352 IF ON SKIN, Wash with plenty of soap and water.
P305+351+338 If in eyes: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.
P308+P313 If exposed or concerned: Get medical advice/attention.
P333+313 If skin irritation or rash occurs: Get medical advice / attention.
P337+313 If eye irritation persists: Get medical advice / attention.

Supplementary Precautionary Statements

None

2.3 Other Hazards

PBT or vPvB according to Annex XIII

No additional data available.

Adverse physio-chemical properties

Harmful to aquatic life Combustible liquid.

Adverse effects on human health

No additional data available.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Mixtures

60.0 – 65.0% Linalool CAS-No 78-70-6, EC 201-134-4

Classification (EC 1272/2008); Aquatic Acute 3 (H402,) Eye Irrit. 1 (H319,) Skin Irrit. 2 (H315), Acute Tox. 5 (H303), Aquatic Acute 3 (H402), Eye Irrit. 1 (H319), Skin Irrit. 2 (H315), Acute Tox. 5 (H303), Flam. Liq. 4 (H227).

25.0 – 35.0% Estragole CAS-No.: 140-67-0 EC No.: 205-427-8

Classification (EC 1272/2008) Skin Sens. 1 (H317), Carc. 2 (H351), Muta. 2 (H341), Skin Irrit. 3 (316), Acute Tox. 4 (H302), Flam. Liq. 4 (H227), Skin Sens. 1 (H317) Carc. 2 (H351), Muta. 2 (H341), Skin Irrit. 3 (H316), Acute Tox. 4 (H302).

<1.0% Methyl Eugenol CAS-No.: 93-15-2, EC No 202-223-0

Classification (EC 1272/2008); Acute Tox. 4 - H302, Muta. 2 - H341, Carc. 2 - H351, Aquatic Chronic 2 - H411.

4. FIRST AID MEASURES

4.1 Description of first aid measures

Inhalation

Move to fresh air in case of accidental inhalation of vapours. If breathing is difficult, give oxygen. If not breathing, give artificial respiration.

Ingestion

Do not induce vomiting without medical advice. Clean mouth with water. Never give anything by mouth to an unconscious person. Get medical attention.

Skin Contact

Remove contaminated clothing and shoes. Wash off immediately with soap and plenty of water. Wash contaminated clothing before reuse. Consult a physician if necessary.

Eye Contact

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms: None known.

4. FIRST AID MEASURES

4.3 Indication of any immediate medical attention and special treatment needed

Note to physicians: Treat symptomatically.

5. FIRE-FIGHTING MEASURES

5.1 Extinguishing Media

Suitable Extinguishing Media : Use CO₂, dry chemical, or foam.

Unsuitable extinguishing media : No information available.

5.2 Special hazards arising from the product

Thermal decomposition can lead to release of irritating and toxic gases and vapours

Hazardous combustion products: Irritating or toxic substances may be emitted upon burning, combustion, or decomposition.

5.3 Advice for firefighters

Wear self-contained breathing apparatus and protective suit. Use personal protective equipment as required.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions: Ensure adequate ventilation, especially in confined areas.

For emergency responders : Use personal protection recommended in Section 8.

6.2 Environmental Precautions

Collect spillage.

6.3 Methods and material for containment and cleaning up

Methods for Containment:

Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see Section 13).

Methods for cleaning up:

Cover liquid spill with sand, earth or other non-combustible absorbent material. Sweep up and shovel into suitable containers for disposal.

6.4 Reference to other sections

See Section 12: ECOLOGICAL INFORMATION.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Advice on safe handling: Ensure adequate ventilation, especially in confined areas.

General hygiene considerations: Wash contaminated clothing before reuse.

7.2 Conditions for safe storage, including any incompatibilities

Storage Conditions: Keep container tightly closed in a dry and well-ventilated place.

7.3 Specific end use(s)

Risk Management Methods (RMM):

The information required is contained in this Material Safety Data Sheet.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Derived No Effect Level (DNEL): No information available
Predicted No Effect Concentration (PNEC): No information available.

8.2 Exposure controls

Protective Equipment



Process Conditions Provide eyewash station.

Engineering Measures Ensure adequate ventilation, especially in confined areas.

Respiratory Equipment No information available.

Hand Protection Suitable gloves tested to EN374 (should be checked regularly) always use with clean, dry hands.

Eye Protection Avoid contact with eyes. Wear safety glasses with side shields (or goggles).

Other Protection Suitable protective clothing.

Hygiene Measures Good personal hygiene practices are chemicals / oils.

Personal Protection No information available.

Skin Protection Wear apron or protective clothing in case of splashes.

Environmental Exposure No information available.

9. 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 0.870 - 0.910 @ 20°C

Flash Point (°C) 80°C

Refractive Index 1.470 to 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 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 information available

10.2 Chemical stability

Stable under normal conditions

Explosion data

Sensitivity to Mechanical Impact: None

Sensitivity to Static Discharge: None

10. STABILITY AND REACTIVITY

10.3 Possible hazardous reactions

Possibility of Hazardous Reactions: None under normal processing.

10.4 Conditions to Avoid

Extremes of temperature and direct sunlight.

10.5 Incompatible materials

No additional information available.

10.6 Hazardous Decomposition Products

None under normal use conditions.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute Toxicity

Product Information

Product does not present an acute toxicity hazard based on known or supplied information.

Inhalation: No data available.

Eye Contact: No data available.

Skin contact: No data available.

Ingestion: No data available.

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral) - 1,474.00

ATEmix (dermal) - 5,462.00

Unknown acute toxicity

6.5% of the mixture consists of ingredient(s) of unknown toxicity.

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
BASIL OIL METHYL CHAVICOL	= 1400 mg/kg (Rat)	> 5 g/kg (Rabbit)	-
ESTRAGOLE	= 1230 mg/kg (Rat)	> 5 g/kg (Rabbit)	-
LINALOOL	= 2790 mg/kg (Rat)	= 5610 mg/kg (Rat)	-

Skin corrosion / irritation

No additional data available.

Serious eye damage / irritation

No additional data available.

Respiratory or skin sensitisation

No additional data available.

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

82 % of the mixture consists of component(s) of unknown hazards to the aquatic environment

Chemical Name	Algae/aquatic plants	Fish	Crustacea
LINALOOL	88.3: 96 h Desmodesmus subspicatus mg/L EC50	22 - 46: 96 h Leuciscus idus mg/L LC50 static	20: 48 h Daphnia magna mg/L EC50

12.2 Persistence & degradability

No additional data available.

12.3 Bioaccumulation Potential

Chemical Name	Partition coefficient
LINALOOL	2.84 - 3.1.

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

No additional data available.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Waste from Residues / Unused Products :
Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated packaging :
Improper disposal or reuse of this container may be dangerous and illegal.

14. TRANSPORT INFORMATION

14.1 UN number

UN No. Road Not Regulated.
UN No. Sea Not Regulated.
UN No. Air Not Regulated.

14.2 UN proper shipping name

N/A

14.3 Transport hazard class(es)

Not Regulated.

14.4 Packing group

Not Regulated.

14.5 Environmental hazards

Not applicable.

14.6 Special precautions for user

None.

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

16.1 Hazard and/or Precautionary Statements

Hazard and/or Precautionary Statements in Full

H317 - May cause an allergic skin reaction.
H351 - Suspected of causing cancer if inhaled.
H341 - Suspected of causing genetic defects if inhaled.
H302 - Harmful if swallowed.
H227 - Combustible liquid.
H316 - Causes mild skin irritation.
H402 - Harmful to aquatic life.
H319 - Causes serious eye irritation.
H315 - Causes skin irritation.
H303 - May be harmful if swallowed.

16.2 Other Information

None.

16.3 Revision

Revision Date: MAY 02, 2016

Reason for revision: New SDS

Rev No/Repl, SDS Generated: 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.