

SAFETY DATA SHEET

EC Regulation No.1907/2006 (REACH) & 1272/2008 (CLP)

THIS PRODUCT IS FOR EXTERNAL USE ONLY- DO NOT INGEST

1 IDENTIFICATION OF SUBSTANCE/MIXTURE AND OF THE COMPANY

1.1 Product identifier

Commercial Name: BASIL LINALOOL OIL
INCI Name: OCIMUM BASILICUM OIL
CAS No: 84775-71-3
EINECS No: 283-900-8
TSCA CAS No: 8015-73-4
FEMA: 2119
Chemical Name:
Botanical Name: *Ocimum basilicum*
Origin: Egypt

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

Identified use (s): Essential Oil. Perfume/fragrance material for manufacturing purposes only.

1.3 Details of the supplier of the safety data sheet

Company Name: AROMA TRADING LIMITED
Contact: JOHN BLACK
Address: Unit 3 Quatro Park, Tanners Drive, Milton Keynes MK14 5FJ ENGLAND
Telephone : ☎ + 44 (0) 1908 334100
Fax: ☎ + 44 (0) 1908 211376
Email : ✉ johnblack@aromatrading.com
Emergency Tel. No.: ☎ + 44 (0) 1908 334100

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

According to the current IFRA/ IOFI 2023 Labelling Manual and Regulation (EC) No. 1272/2008 (CLP)

Hazard Class	Abbreviation	Hazard Category	Hazard Code	Hazard Statement
Flammable Liquid	FL	4	H227	Combustible liquid
Aspiration Hazard	AH	1	H304	May be fatal if swallowed and enters airways
Acute Toxicity Oral	ATO	5	H303	May be harmful if swallowed
Skin Corrosion/Irritation	SCI	2	H315	Causes skin irritation
Skin Sensitisation	SS	1	H317	May cause an allergic skin reaction
Eye Damage/Irritation	EDI	2A	H319	Causes serious eye irritation
Environmental Acute	EHA	3	H402	Harmful to aquatic life
Environmental Chronic	EHC	3	H412	Harmful to aquatic life with long lasting effects

2.2 Label elements

Symbols:



Signal word: DANGER

UN Global Harmonised System Precautionary Statements (CLP)

	Prevention Statements
P280	Wear protective gloves/clothing, eye/face protection
P264	Wash hands thoroughly after handling
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P272	Contaminated work clothing should not be allowed out of the workplace.
P273	Avoid release to the environment
P201	Obtain special instructions before use
P202	Do not handle until all safety precautions have been read and understood
P281	Use personal protective equipment as required



	Response Statements
P302/352	IF ON SKIN: Wash with plenty of soap and water.
P301/310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P333/313	If skin irritation or rash occurs: Get medical advice/attention.
P321/363	Protective clothing should be washed before reuse
P331	Do NOT induce vomiting.
P332/313	If skin irritation occurs: Get medical advice/attention
P362	Take off contaminated clothing and wash before reuse.
P353	Rinse skin with water/shower.
P305	IF IN EYES: Rinse cautiously with water for several minutes.
P351/338	Remove contact lenses if present and easy to do. Continue rinsing.
P337/313	If eye irritation persists: get medical advice/attention
P370/378	In case of fire: Use carbon dioxide, foam or dry powder for extinction.
P312	Call a POISON CENTER or doctor/physician if you feel unwell.
P308/313	If exposed or concerned: get medical advise/attention
P391	Collect spillage

	Storage and Disposal Statements
P405	Store locked up.
P501	Dispose of contents and container in accordance with international regulation
P403	Store in a well ventilated place.
P235	Keep cool

3. COMPOSITION/INFORMATION ON CONSTITUENTS

Nature Of Product: BASIL LINALOOL OIL (100% Pure & Natural)

Ocimum Basilicum Oil is the volatile oil obtained from the leaves of the Basil, Ocimum basilicum L., Labiatae

EINECS No: 283-900-8
FEMA: 2119

CAS No: 84775-71-3
FDA: -

TSCA CAS No: 8015-73-4
HC (%): <10

3.2 Constituents

These indicative levels should be taken into account when determining the compliance of the essential oil under its condition of use. (In accordance with Regulation (EC) No 1272/2008 and IFRA/IOFI Labelling Manual 2023 Classified constituents $\geq 0.1\%$, no Aspiration hazard & Flammability)

CONSTITUENT	CAS NUMBER	\leq %	RELEVANT GHS
1,7,7-Trimethylbicyclo[2.2.1]heptan-2-one	76-22-2	1.0	STOT SE 2;H371 Skin Irrit. 2;H315 Eye Dam. 1;H318 Aquatic Chronic 2;H411 Aquatic Acute 2;H401 Acute Tox. 4 (Oral);H302 Acute Tox. 4 (Inhalation:dust,mist);H332
4-Carvomenthenol	562-74-3	0.3	Acute Tox. 4 (Oral);H302 Acute Tox. 5 (Dermal);H313 Skin Irrit. 2;H315 Eye Irrit. 2B;H320 STOT SE 3;H336 Aquatic Acute 2;H401 Acute Tox. 4 (Inhalation:dust,mist);H332
alpha-Guaiene	3691-12-1	0.9	Skin Irrit. 2;H315 Eye Irrit. 2A;H319
alpha-Pinene	80-56-8	0.8	Acute Tox. 4 (Oral);H302 Skin Irrit. 2;H315 Skin Sens. 1B;H317 Aquatic Acute 1;H400 Aquatic Chronic 1;H410
alpha-Terpineol	98-55-5	0.8	Acute Tox. 5 (Oral);H303 Skin Irrit. 2;H315 Eye Irrit. 2A;H319 Aquatic Acute 2;H401
beta-Caryophyllene	87-44-5	0.1	Skin Sens. 1B;H317 Aquatic Chronic 4;H413
beta-Pinene	127-91-3	0.8	Skin Irrit. 2;H315 Skin Sens. 1B;H317 Aquatic Acute 1;H400 Aquatic Chronic 1;H410
Borneol	507-70-0	0.2	Skin Irrit. 2;H315 Aquatic Chronic 2;H411 Aquatic Acute 2;H401 Acute Tox. 5 (Oral);H303
Bornyl acetate	76-49-3	1.1	Skin Irrit. 3;H316 Aquatic Acute 2;H401
Camphene	79-92-5	0.1	Eye Irrit. 2B;H320 Aquatic Acute 1;H400 Aquatic Chronic 1;H410
cis-beta-Ocimene	3338-55-4	0.4	Acute Tox. 5 (Oral);H303 Skin Irrit. 2;H315 Aquatic Acute 1;H400 Aquatic Chronic 2;H411
dl-Citronellol	106-22-9	0.3	Skin Sens. 1B;H317 Skin Irrit. 2;H315 Eye Irrit. 2A;H319 Aquatic Acute 2;H401 Acute Tox. 5 (Oral);H303 Acute Tox. 5 (Dermal);H313
Estragole	140-67-0	0.8	Skin Sens. 1B;H317 Skin Irrit. 2;H315 Muta. 2;H341 Carc. 2;H351 Aquatic Chronic 3;H412 Aquatic Acute 2;H401 Acute Tox. 4 (Oral);H302
Eucalyptol	470-82-6	3.0	Acute Tox. 5 (Oral);H303 Skin Sens. 1B;H317 Eye Irrit. 2B;H320 Aquatic Acute 3;H402
Eugenol	97-53-0	8.6	Acute Tox. 5 (Oral);H303 Skin Irrit. 3;H316 Eye Irrit. 2A;H319 Skin Sens. 1B;H317 Aquatic Acute 2;H401

3.2 Constituents

These indicative levels should be taken into account when determining the compliance of the essential oil under its condition of use. (In accordance with Regulation (EC) No 1272/2008 and IFRA/IOFI Labelling Manual 2023 Classified constituents $\geq 0.1\%$, no Aspiration hazard & Flammability)

CONSTITUENT	CAS NUMBER	\leq %	RELEVANT GHS
Eugenyl methyl ether	93-15-2	0.5	Acute Tox. 4 (Oral);H302 Muta. 2;H341 Carc. 2;H351 Aquatic Acute 2;H401
Farnesene	n.a.	0.3	Skin Irrit. 3;H316
Geraniol	106-24-1	0.2	Skin Irrit. 2;H315 Eye Dam. 1;H318 Aquatic Acute 3;H402 Acute Tox. 5 (Oral);H303 Skin Sens. 1;H317
l- β -Bisabolene	495-61-4	1.0	Skin Irrit. 2;H315 Skin Sens. 1B;H317 Aquatic Acute 2;H401 Aquatic Chronic 2;H411 Acute Tox. 4 (Inhalation:dust,mist);H332
Linalool	78-70-6	60.0	Acute Tox. 5 (Oral);H303 Skin Irrit. 2;H315 Eye Irrit. 2A;H319 Skin Sens. 1B;H317 Aquatic Acute 3;H402
l-Limonene	5989-54-8	0.7	Skin Irrit. 2;H315 Skin Sens. 1B;H317 Aquatic Acute 1;H400 Aquatic Chronic 3;H412
Myrcene	123-35-3	0.7	Skin Irrit. 2;H315 Eye Irrit. 2A;H319 Aquatic Acute 1;H400 Aquatic Chronic 2;H411
Octyl acetate	112-14-1	0.3	Skin Irrit. 3;H316 Aquatic Acute 2;H401 Acute Tox. 5 (Oral);H303
p-Cymene	99-87-6	0.1	Skin Irrit. 3;H316 Repr. 2;H361 Aquatic Chronic 2;H411 Aquatic Acute 2;H401 Acute Tox. 5 (Oral);H303
p-Mentha-1,4-diene	99-85-4	0.1	Skin Irrit. 3;H316 Repr. 2;H361 Acute Tox. 5 (Oral);H303
Terpinolene	586-62-9	0.2	Skin Sens. 1B;H317 Skin Irrit. 3;H316 Aquatic Chronic 1;H410 Aquatic Acute 1;H400 Acute Tox. 5 (Oral);H303
trans beta-Ocimene	3779-61-1	1.0	Acute Tox. 5 (Oral);H303 Skin Irrit. 2;H315 Aquatic Acute 1;H400 Aquatic Chronic 2;H411
trans-Nerolidol	40716-66-3	0.2	Eye Irrit. 2B;H320 Skin Sens. 1B;H317 Aquatic Acute 1;H400 Aquatic Chronic 1;H410

4. FIRST AID MEASURES

4.1 Description of first aid measures

- Ingestion:** Do not induce vomiting, give a glass of water. Seek urgent medical attention and show this information.
- Inhalation:** Remove casualty to fresh air, keep respiratory passages clear and seek urgent medical attention.
- Eye contact:** Irrigate with sterile water or saline for at least 15 minutes. Seek urgent medical attention if irritation persists or tissue damage is apparent.
- Skin contact:** Remove contaminated clothing wash thoroughly with soap and water and rinse. If causes irritation after prolonged contact, if so seek medical advice.

5. FIRE-FIGHTING MEASURES

- 5.1 Extinguisher** Use CO₂, Foam or Powder extinguishers only.
DO NOT USE WATER JETS.
- 5.2 Special hazards** Avoid inhalation of smoke or fumes, may produce CO (carbon monoxide) and CO₂ (carbon dioxide).

6. ACCIDENTAL RELEASE MEASURES

- 6.1 Personal Safety Precautions** Avoid contact with skin and eyes. Wear safety gloves, clothing and glasses.
(Consult sections 7 & 8 for additional information)
- 6.2 Environmental Safety Precautions** Eliminate all sources of ignition.
Prevent any material entering drains or waterways
- 6.2 Methods and materials for containment and clean up** Absorb spills into an inert absorbent material (e.g. proprietary oil drying granules or sand NOT sawdust or other flammable materials.)
Wash area clean with water and detergent.
Transfer all waste to an approved waste disposal container, observing national legislation.

7. HANDLING AND STORAGE

- 7.1 Handling Precautions** Only use in a well ventilated area. Observe good housekeeping procedures when handling the product. Do not eat, drink or smoke.
- 7.2 Storage Precautions** Product is stable at room temperature.
Keep away from sources of ignition.
Store in tightly sealed containers, in a cool dry place away from direct sunlight.
Prevent access by unauthorised personnel.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Ingredient comments: No exposure limits known

8.2 Exposure controls

- Respiratory Protection:** Ensure adequate ventilation.
If ventilation is insufficient use approved respirators.
- Skin/Hand Protection:** Wear personal protective equipment. Use chemical resistant safety gloves.
Polyvinyl alcohol or nitrile rubber gloves are recommended.
- Eye/Face Protection:** Wear safety glasses/visors. Ensure eye washes are available.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance:	Liquid
Colour:	Pale yellow to amber
Odour:	Spicy, aniseed aromatic odour
Odour threshold:	No information available
pH:	No information available
Melting point:	No information available
Initial boiling point and range:	No information available
Flash point:	75°C
Evaporation rate:	No information available
Evaporation factor:	No information available
Flammability (solid, gas):	No information available
Upper flammability or explosive limits:	No information available
Lower flammability or explosive limits:	No information available
Other flammability:	No information available
Vapour pressure:	No information available
Vapour density:	No information available
Relative density@ 20°C:	0.885 - 0.976
Bulk density:	No information available
Solubility(ies):	No information available
Partition coefficient:	No information available
Auto-ignition temperature:	No information available
Decomposition Temperature:	No information available
Viscosity:	No information available
Explosive properties:	No information available
Explosive under influence of a flame:	No information available
Oxidising properties:	No information available

9.2. Other information

Refractive index@ 20°C:	1.470 - 1.520
Particle size:	No information available.
Molecular weight:	No information available.

10. STABILITY AND REACTIVITY

<u>10.1. Reactivity</u>	There are no known reactivity hazards associated with this product.
<u>10.2. Chemical stability</u>	Stable at normal ambient temperatures and when used as recommended.
<u>10.3. Possibility of hazardous reactions</u>	Will not polymerise.
<u>10.4. Conditions to avoid</u>	Keep away from any source of ignition.
<u>10.5. Incompatible materials</u>	Avoid strong oxidisers, acids and alkalis.
<u>10.6. Hazardous decomposition products</u>	Decomposition may release carbon dioxide, carbon monoxide and other organic compound fumes.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Oral LD50:	1.4g/Kg	This product is NOT intended for oral use. LD50 dosage levels are only a guideline obtained from historical data, Aroma Trading Ltd does not test its products on animals.
Dermal LD50:	5.0g/Kg	
Skin corrosion/irritation:		Causes skin irritation
Serious eye damage/irritation:		Causes serious eye irritation
Respiratory sensitisation:		May be fatal if swallowed and enters airways
Skin sensitisation:		May cause an allergic skin reaction
Germ cell mutagenicity:		No information available
Carcinogenicity:		No information available
140-67-0	Estragole	Oral, LD50: 1230 mg/kg (rat) (Moreno 1972)
470-82-6	Eucalyptol	Oral, LD50: 3849 mg/kg (mouse) (Jiao Xu, 2014)
93-15-2	methyl eugenol	Oral, LD50: 810 mg/kg (rat) (Beroza and al., 1975)
98-55-5	p-menth-1-en-8-ol	Oral, LD50: 4300 mg/kg (rat)
78-70-6	Linalool	Oral, LD50: 2790 mg/kg (rat) Dermal, LD50: 5610 mg/kg (Rabbit)
79-92-5	camphene	Oral, LD50: 5000 mg/kg (rat) Dermal, LD50: 2500 mg/kg (Rabbit)
76-22-2	1,7,7-Trimethylbicyclo[2.2.1]heptan-2-one	Oral, LD50: >5000 mg/kg (rat) (Opdyke 1978) Dermal, LD50: >1000 mg/kg (mouse) (NTP 1998)
87-44-5	beta-Caryophyllene	Oral, LD50: > 5000 mg/kg (rat) (Hart and Wong 1971)
97-53-0	Eugenol	Oral, LD50: 1930 mg/kg (rat)
99-86-5	p-mentha-1,3-diene	Oral, LD50: 1680 mg/kg (ATE)
5989-27-5	(R)-p-mentha-1,8-diene	Oral, LD50: 4400 mg/kg (rat)
Reproductive toxicity:		Not determined.
STOT-single exposure:		Not determined.
STOT-repeated exposure:		Not determined.
Aspiration hazard:		May be fatal if swallowed and enters airways

11.2 Information on other hazards

Endocrine disrupting properties : No information available

12. ECOLOGICAL INFORMATION

<u>12.1 Toxicity</u>	No data available
<u>12.2 Persistence and degradability</u>	Readily biodegradable.
<u>12.3 Bioaccumulative potential</u>	Bioaccumulation is unlikely
<u>1.4 Mobility in soil</u>	No information available
<u>12.5 Results of PBT and vPvB assessment</u>	No information available

12. ECOLOGICAL INFORMATION

12.1 Toxicity

Aquatic toxicity:

8015-73-4	Ocimum basilicum L.	CE50/48h: 22,2 mg/l (daphnia)
93-15-2	methyl eugenol	CE50/48h: 38 mg/l (daphnia) (Ministry of the Environment of Japan 2018) ErC50(0-72h): 22 mg/l (algae) (Ministry of the Environment of Japan 2018) 96h-LC50: 14 mg/l (fish) (Ministry of the Environment of Japan 2018)
78-70-6	Linalool	LD50: 27,8 mg/l (fish) ((OECD 203) RIFM 1991) ErC50(0-72h): 156,7 mg/l (algae) ErC50(0-48h): 59 mg/l (daphnia) ((OECD 202)
123-35-3	Myrcene	LD50: 0,51 mg/l (fish) (OECD 203) CE50/48h: 0,65 mg/l (daphnia)
76-22-2	1,7,7-Trimethylbicyclo[2.2.1]heptan-2-one	CE50/48h: 26,82 mg/l (daphnia) ErC50(0-72h): 23,8 mg/l (algae)
99-87-6	p-cymene	LD50: 1,63 mg/l (fish) (OECD 203)
5989-27-5	(R)-p-mentha-1,8-diene	LD50: 0,71 mg/l (fish) (OECD 203)

12.2 Persistence and degradability

Readily biodegradable.

12.3 Bioaccumulative potential

Bioaccumulation is unlikely

12.4 Mobility in soil

No information available

12.5 Results of PBT and vPvB assessment

No information available

12.6 Endocrine disrupting properties

No information available

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Do not pour into drains or waterways.
Care must be used to prevent the product contaminating rivers, waterways or drains. Should this happen alert the relevant authorities in accordance with statutory procedures

Comply with local and national regulations for waste disposal.
Empty containers should be washed thoroughly with detergent before being sent for disposal.
Washings should be disposed of as waste.

14. TRANSPORT INFORMATION

Transport this product in compliance with and provision of, the ADR/RID for Road and Rail, IMDG for Sea and ICAO/IATA for Air transportation.

UN Shipping Name (N.O.S.): NON HAZARDOUS SUBSTANCE, LIQUID, N.O.S
ADR/RID (Road/Rail): Not restricted
IMDG-CODE (Sea): Not listed
ICAO/IATA (Air): Not regulated
UN Number:
Packing Group:
Subsidiary Risk:
Packing Instructions: Non-hazardous substance, transport in suitable container..

Labelling according to ADR/RID, IMDG/IMO and ICAO/IATA:

UN Shipping Name: NON HAZARDOUS SUBSTANCE, LIQUID

15. REGULATORY INFORMATION

Product Classification: BASIL LINALOOL OIL

This product is labelled according to the criteria of Directive CLP 1272/2008/EC.

Classification:



WARNING

Hazard Categories:

FL4	Combustible liquid
AH 1	May be fatal if swallowed and enters airways
ATO 5	May be harmful if swallowed
SCI 2	Causes skin reaction
SS 1	May cause an allergic skin reaction
EDI 2A	Causes serious eye irritation
EH A3, C3	Harmful to aquatic life Harmful to aquatic life with long lasting effects.

16. ADDITIONAL INFORMATION

Legal disclaimer:

The information given on this material health and safety sheet is not a warranty as to the performance or suitability of the product. The information must be regarded only as a description of the health, safety and environmental requirements for that product. The information contained herein is true and accurate to the best of our knowledge and belief, but does not claim to be all inclusive.

Bay House Ingredients® & Soapmakers Store are Divisions Aroma Trading Ltd, Registered No. 02698381, V.A.T. Registration No. 600 516 981 and shall not be held liable for any damage resulting from handling or from contact with the product, since the conditions of use are out of our control. It is the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.