

## 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:** EUCALYPTUS RADIATA OIL  
**INCI Name:** EUCALYPTUS RADIATA LEAF/ STEM OIL  
**CAS No:** 92201-64-4  
**EINECS No:** 295-995-3  
**TSCA CAS No:** 8000-48-4  
**FEMA:**  
**ECHA Reach Reg:** 01-2120942236-56-xxxx  
**Botanical Name:** *Eucalyptus radiata*  
**Origin:** Australia/ South Africa

#### 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  
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**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	3	H226	Flammable liquid & vapour
Acute Toxicity Oral	ATO	5	H303	May be harmful if swallowed
Aspiration Hazard	AH	1	H304	May be fatal if swallowed and enters airways
Eye Damage/Irritation	EDI	2	H319	Causes serious eye irritation
Skin Corrosion/Irritation	SCI	2	H315	Causes skin irritation
Skin Sensitisation	SS	1	H317	May cause an allergic skin reaction
Environmental Acute	EHA	2	H401	Toxic to aquatic life
Environmental Chronic	EHC	2	H411	Toxic to aquatic life with long lasting effects

#### 2.2 Label elements

**Symbols:**



**Signal word:** DANGER

**UN Global Harmonised System Precautionary Statements (CLP)**

	<b>Prevention Statements</b>
P210	Keep away from heat/sparks/open flames/hot surface. No smoking
P233	Keep container tightly closed
P280	Wear protective gloves/clothing, eye/face protection
P264	Wash hands thoroughly after handling
P261	Avoid breathing dust/fume/gas/mist/vapour/spray.
P272	Contaminated work clothing should not be allowed out of the workplace.
P273	Avoid release to the environment



	<b>Response Statements</b>
P303/361	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing.
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.
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
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.
P370/378	In case of fire: Use carbon dioxide, foam or dry powder for extinction.

	<b>Storage and Disposal Statements</b>
P403	Store in a well ventilated place.
P235	Keep cool
P501	Dispose of contents and container in accordance with international regulation

### 3. COMPOSITION/INFORMATION ON CONSTITUENTS

**Nature Of Product:** EUCALYPTUS RADIATA OIL (100% Pure & Natural)

Eucalyptus Radiata Leaf /Stem Oil is the volatile oil obtained from the leaves and stems of the Eucalyptus, Eucalyptus radiata, Myrtaceae

**EINECS No:** 295-995-3  
**FEMA:** 2466

**CAS No:** 92201-64-4  
**FDA:**

**TSCA CAS No:** 8000-48-4  
**HC (%):** 9

#### 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
4-Carvomenthenol	562-74-3	2.00	Acute Tox. 4 (Oral);H302 Acute Tox. 5 (Dermal);H313 Skin Irrit. 2;H315 Eye Irrit. 2A;H319 Aquatic Acute 3;H402
alpha-Phellandrene	99-83-2	0.37	Skin Irrit. 3;H316
alpha-Pinene	80-56-8	2.50	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	10.64	Acute Tox. 5 (Oral);H303 Skin Irrit. 2;H315 Eye Irrit. 2A;H319 Aquatic Acute 2;H401
alpha-Terpineol acetate	80-26-2	2.20	Skin Irrit. 3;H316 Aquatic Acute 2;H401
beta-Pinene	127-91-3	1.00	Skin Irrit. 2;H315 Skin Sens. 1B;H317 Aquatic Acute 1;H400 Aquatic Chronic 1;H410
cis-beta-Ocimene	3338-55-4	0.10	Acute Tox. 5 (Oral);H303 Skin Irrit. 2;H315 Aquatic Acute 1;H400 Aquatic Chronic 2;H411
Eucalyptol	470-82-6	70.00	Acute Tox. 5 (Oral);H303 Skin Irrit. 3;H316 Skin Sens. 1B;H317
Geranial	141-27-5	0.25	Acute Tox. 5 (Dermal);H313 Skin Irrit. 2;H315 Eye Irrit. 2A;H319 Skin Sens. 1B;H317 Aquatic Acute 2;H401
Geraniol	106-24-1	1.21	Skin Sens. 1B;H317 Skin Irrit. 2;H315 Eye Dam. 1;H318 Aquatic Acute 3;H402 Acute Tox. 5 (Oral);H303
Isoborneol	124-76-5	0.18	Skin Irrit. 2;H315 Aquatic Acute 2;H401
Linalool	78-70-6	0.44	Acute Tox. 5 (Oral);H303 Skin Irrit. 2;H315 Eye Irrit. 2A;H319 Skin Sens. 1B;H317 Aquatic Acute 3;H402

### 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	<= %	RELEVANT GHS
l-Limonene	5989-54-8	6.54	Skin Irrit. 2;H315 Skin Sens. 1B;H317 Aquatic Acute 1;H400 Aquatic Chronic 1;H410
Methyl cinnamate	103-26-4	0.15	Acute Tox. 5 (Oral);H303 Skin Sens. 1B;H317
Myrcene	123-35-3	0.95	Skin Irrit. 2;H315 Eye Irrit. 2A;H319 Aquatic Acute 1;H400 Aquatic Chronic 2;H411
Neral	106-26-3	0.15	Acute Tox. 5 (Dermal);H313 Skin Irrit. 2;H315 Eye Irrit. 2A;H319 Skin Sens. 1B;H317 Aquatic Acute 2;H401
Nerol	106-25-2	0.10	Acute Tox. 5 (Oral);H303 Skin Irrit. 2;H315 Eye Irrit. 2A;H319 Skin Sens. 1B;H317 Aquatic Acute 2;H401
p-Cymene	99-87-6	0.50	Skin Irrit. 3;H316 Repr. 2;H361 Aquatic Chronic 2;H411 Aquatic Acute 2;H401 Acute Tox. 5 (Oral);H303
Piperitone	89-81-6	0.20	Acute Tox. 5 (Oral);H303 Skin Irrit. 3;H316 Aquatic Acute 3;H402
p-Mentha-1,3-diene	99-86-5	0.25	Acute Tox. 4 (Oral);H302 Skin Irrit. 3;H316 Aquatic Acute 2;H401 Aquatic Chronic 2;H411
p-Mentha-1,4-diene	99-85-4	0.59	Skin Irrit. 3;H316 Repr. 2;H361 Acute Tox. 5 (Oral);H303
Terpinolene	586-62-9	0.11	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	0.20	Acute Tox. 5 (Oral);H303 Skin Irrit. 2;H315 Aquatic Acute 1;H400 Aquatic Chronic 2;H411

#### 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 CO<sub>2</sub>, 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 CO<sub>2</sub> (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

<b>Appearance:</b>	Liquid
<b>Colour:</b>	Colourless to pale yellow
<b>Odour:</b>	Fresh aromatic odour
<b>Odour threshold:</b>	No information available
<b>pH:</b>	No information available
<b>Melting point:</b>	No information available
<b>Initial boiling point and range:</b>	No information available
<b>Flash point:</b>	49°C
<b>Evaporation rate:</b>	No information available
<b>Evaporation factor:</b>	No information available
<b>Flammability (solid, gas):</b>	No information available
<b>Upper flammability or explosive limits:</b>	No information available
<b>Lower flammability or explosive limits:</b>	No information available
<b>Other flammability:</b>	No information available
<b>Vapour pressure:</b>	No information available
<b>Vapour density:</b>	at 24,00 °C 2,2700 mbar
<b>Relative density@ 20°C:</b>	0.905 - 0.921
<b>Bulk density:</b>	No information available
<b>Solubility(ies):</b>	No information available
<b>Partition coefficient:</b>	No information available
<b>Auto-ignition temperature:</b>	No information available
<b>Decomposition Temperature:</b>	No information available
<b>Viscosity:</b>	No information available
<b>Explosive properties:</b>	No information available
<b>Explosive under influence of a flame:</b>	No information available
<b>Oxidising properties:</b>	No information available

### 9.2. Other information

<b>Refractive index@ 20°C:</b>	1.450 - 1.475
<b>Particle size:</b>	No information available.
<b>Molecular weight:</b>	No information available.

## 10. STABILITY AND REACTIVITY

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

## 11. TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

<b>Oral LD50:</b>	2.48g/Kg	<b>This product is NOT intended for oral use.</b> LD50 dosage levels are only a guideline obtained from historical data, Aroma Trading Ltd does not test its products on animals.
<b>Dermal LD50:</b>	5.0g/Kg	
<b>Skin corrosion/irritation:</b>	Causes skin irritation	
<b>Serious eye damage/irritation:</b>	Causes serious eye irritation	
<b>Respiratory sensitisation:</b>	May be harmful if swallowed and enters airways	
<b>Skin sensitisation:</b>	May cause an allergic skin reaction	
<b>Germ cell mutagenicity:</b>	No information available	
<b>Carcinogenicity:</b>	No information available	

**470-82-6 Eucalyptol**  
Oral, LD50: 3849 mg/kg (mouse) (Jiao Xu, 2014)

**98-55-5 p-menth-1-en-8-ol**  
Oral, LD50: 4300 mg/kg (rat)

**5989-27-5 (R)-p-mentha-1,8-diene**  
Oral, LD50: 4400 mg/kg (rat)

**78-70-6 Linalool**  
Oral, LD50: 2790 mg/kg (rat)      Dermal, LD50: 5610 mg/kg (Rabbit)

**5392-40-5 Citral**  
Oral, LD50: 4960 mg/kg (rat)

**99-86-5 Alpha-Terpinene**  
Oral, LD50: 1680 mg/kg (ATE)

**87-44-5 Beta-Caryophyllene**  
Oral, LD50: > 5000 mg/kg (rat) (Hart and Wong 1971)

**470-82-6 Eucalyptol**  
AMES: NEGATIVE (in vitro) (Haworth, 1983)

**78-70-6 Linalool**  
OECD 471 AMES: NEGATIVE (in vitro) (Letizia and al., 2007)

**87-44-5 Beta-Caryophyllene**  
OECD 471 AMES: NEGATIVE (in vitro) (Heck and al., 1989)

**78-70-6 Linalool**  
Micronoyau: NEGATIVE (mouse) (in vivo, Letizia and al., 2007)  
Micronoyau: NEGATIVE (in vitro) (DiSotto and al., 2011)

**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

### 12.1 Toxicity

#### Aquatic toxicity:

- 8000-48-4**            **Eucalyptus radiata Sieber ex DC. (Syn :  
Eucalyptus australiana R.T.Baker & H.G.Sm.)**
- CE50/48h: 21,995 mg/l (daphnia) (OECD 202 / EU Method C.2)  
ErC50(0-72h): 13 mg/l (algae) (OECD 201)  
96h-LC50: 29,173 mg/l (fish) (OECD 203 / EU Method C.1)
- 5989-27-5**            **(R)-p-mentha-1,8-diene**  
LD50: 0,71 mg/l (fish) (OECD 203)
- 123-35-3**            **Myrcene**  
LD50: 0,51 mg/l (fish) (OECD 203)  
CE50/48h: 0,65 mg/l (daphnia)
- 99-87-6**            **p-cymene**  
LD50: 1,63 mg/l (fish) (OECD 203)
- 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)

### 12.2 Persistence and degradability

Readily biodegradable.

### 12.3 Bioaccumulative potential

Bioaccumulation is unlikely

### 1.4 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.):** UN 1197 EXTRACTS, FLAVOURING LIQUID  
**ADR/RID (Road/Rail):** Class 3  
**IMDG/IMO (Sea):** Class 3  
**ICAO/IATA (Air):** Class 3  
**UN Number:** 1169  
**Packing Group:** III  
**Subsidiary Risk:**  
**Packing Instructions:** Miscellaneous dangerous substances and articles, transport in suitable container.

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

**UN Shipping Name:** UN 1197 EXTRACTS, FLAVOURING LIQUID



#### 15. REGULATORY INFORMATION

**Product Classification:** EUCALYPTUS RADIATA OIL

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

**Classification:**



**DANGER**  
**UN 1197**

**Hazard Categories:**

<b>FL 3</b>	Flammable liquid
<b>ATO 5</b>	May be harmful if swallowed
<b>AH 1</b>	May be fatal if swallowed and enters airways
<b>EDI 2</b>	Causes serious eye irritation
<b>SCI 2</b>	Causes skin reaction
<b>SS 1</b>	May cause an allergic skin reaction
<b>EH A2, C2</b>	Toxic to aquatic life Toxic 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.