

## EUCALYPTUS LEAF

Version 10

Revision Date 08.11.2012

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### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

#### 1.1 Product identifier

Commercial Product Name : EUCALYPTUS LEAF

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

Use of the Substance/Mixture : Fragrance

#### 1.3 Details of the supplier of the safety data sheet

Candle Supply Pty Ltd  
Unit 3 8-9 Lagana Place  
Wetherill Park, NSW 2164  
ABN: 70612899626

Phone Number: 02 8741 4000  
e-mail: [customerservice@candlesupply.com.au](mailto:customerservice@candlesupply.com.au)

#### 1.4 Emergency telephone number

13 11 26

### SECTION 2: HAZARDS IDENTIFICATION

#### 2.1 Classification of the substance or mixture

##### Classification (REGULATION (EC) No 1272/2008)

Skin irritation, Category 2	H315
Eye irritation, Category 2	H319
Skin sensitization, Category 1	H317
Aspiration hazard, Category 1	H304
Chronic aquatic toxicity, Category 2	H411

##### Classification (67/548/EEC, 1999/45/EC)

Xn; R22  
Xi; R43  
N; R51/53  
Xi; R38

#### 2.2 Label elements

##### Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms :



**SAFETY DATA SHEET**  
 according to Regulation (EC) No. 1907/2006

**EUCALYPTUS LEAF**

Version 10

Revision Date 08.11.2012

Print Date 28.02.2013

Signal word : Danger

Hazard statements : 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.  
 H411 Toxic to aquatic life with long lasting effects.

Precautionary statements : **Prevention:**  
 P273 Avoid release to the environment.  
 P280 Wear protective gloves/ eye protection/ face protection.

**Response:**  
 P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician.  
 P302 + P352 IF ON SKIN: Wash with plenty of soap and water.  
 P305 + P351 + P338 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.

**Labelling (67/548/EEC, 1999/45/EC)**

Symbol(s) : Xn Harmful  
 N Dangerous for the environment

R-phrase(s) : R22 Harmful if swallowed.  
 R38 Irritating to skin.  
 R43 May cause sensitization by skin contact.  
 R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S-phrase(s) : S24 Avoid contact with skin.  
 S37 Wear suitable gloves.  
 S57 Use appropriate container to avoid environmental contamination.  
 S60 This material and its container must be disposed of as hazardous waste.

**2.3 Other hazards**

no data available

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

**3.1 Substances**

no data available

**3.2 Mixtures**

**Hazardous components**

Chemical Name	CAS-No. EC-No. Registration number	Classification (67/548/EEC)	Classification (REGULATION (EC) No 1272/2008)	Concentration [%]
Benzyl benzoate	120-51-4 204-402-9	Xn; N R22 R51/53	Acute Tox.: 4 (Oral); H302 Aquatic Chronic: 2; H411	>= 25 - < 50

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

## EUCALYPTUS LEAF

Version 10

Revision Date 08.11.2012

Print Date 28.02.2013

1,3,4,6,7,8-Hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran <sup>2)</sup>	1222-05-5 214-946-9	N R50/53	Aquatic Chronic: 1; H410 Aquatic Acute: 1; H400	>= 5 - < 10
Citronellol	106-22-9 203-375-0 01-2119453995-23	Xi; N R38 R43 R51/53	Skin Irrit.: 2; H315 Skin Sens.: 1; H317 Eye Irrit.: 2; H319	>= 5 - < 10
(R)-p-Mentha-1,8-diene	5989-27-5 227-813-5	Xi; N R10 R38 R43 R50/53	Asp. Tox.: 1; H304 Aquatic Chronic: 1; H410 Aquatic Acute: 1; H400 Flam. Liq.: 3; H226 Skin Irrit.: 2; H315 Skin Sens.: 1; H317	>= 1 - < 5
2-Benzylideneheptanal	122-40-7 204-541-5	N; Xi R43 R51/53	Aquatic Chronic: 2; H411 Skin Sens.: 1; H317	>= 1 - < 5
Linalyl acetate	115-95-7 204-116-4	Xi R38	Skin Irrit.: 2; H315 Eye Irrit.: 2; H319	>= 1 - < 5
Pin-2(3)-ene	80-56-8 201-291-9	Xn R10 R38 R43 R65	Asp. Tox.: 1; H304 Skin Sens.: 1; H317 Skin Irrit.: 2; H315 Flam. Liq.: 3; H226	>= 1 - < 5
Geraniol	106-24-1 203-377-1 01-2119552430-49	Xi R38 R41 R43	Skin Irrit.: 2; H315 Eye Dam.: 1; H318 Skin Sens.: 1; H317	>= 1 - < 5
Coumarin	91-64-5 202-086-7	Xn R22 R43	STOT RE: 2; H373 Skin Sens.: 1; H317 Acute Tox.: 4 (Oral); H302	>= 1 - < 5
p-Menth-1-en-8-ol	98-55-5 202-680-6	Xi R36/38	Eye Irrit.: 2; H319 Skin Irrit.: 2; H315	>= 1 - < 5
p-Cymene	99-87-6 25155-15-1 202-796-7 246-674-1	N; Xn R51/53 R65 R10	Asp. Tox.: 1; H304 Aquatic Chronic: 2; H411 Flam. Liq.: 3; H226	>= 1 - < 5
Cinnamyl alcohol	104-54-1 203-212-3	Xi R43	Skin Sens.: 1; H317	>= 1 - < 5
Eugenol	97-53-0 202-589-1	Xi R36 R43	Skin Sens.: 1; H317 Eye Irrit.: 2; H319	>= 1 - < 5
2,6-di-tert-Butyl-p-cresol <sup>1)</sup>	128-37-0 204-881-4 01-2119555270-46 01-2119565113-46 01-2119480433-40	N R50/53	Aquatic Chronic: 1; H410 Aquatic Acute: 1; H400	>= 0,1 - < 1
2,4-Dimethylcyclohex-3-ene-1-carbaldehyde	68039-49-6 268-264-1	Xi R36/38 R43 R52/53	Skin Irrit.: 2; H315 Eye Irrit.: 2; H319 Skin Sens.: 1; H317 Aquatic Chronic: 3; H412	>= 0,1 - < 1
Pin-2(10)-ene	127-91-3 204-872-5	Xn R10 R38 R43 R65	Skin Irrit.: 2; H315 Flam. Liq.: 3; H226 Skin Sens.: 1; H317 Asp. Tox.: 1; H304	>= 0,1 - < 1

# 1. SAFETY DATA SHEET

2. according to Regulation (EC) No. 1907/2006

## EUCALYPTUS LEAF

Version 10

Revision Date 08.11.2012

Print Date 28.02.2013

(R)-3,7-Dimethyloct-6-en-1-ol	1117-61-9 214-250-5	Xi; N R38 R43 R51/53	Eye Irrit.: 2; H319 Skin Sens.: 1; H317 Skin Irrit.: 2; H315	>= 0,1 - < 1
(S)-p-Mentha-1,8-diene	5989-54-8 227-815-6	Xi; N R10 R38 R43 R50/53	Asp. Tox.: 1; H304 Aquatic Chronic: 1; H410 Aquatic Acute: 1; H400 Skin Sens.: 1; H317 Skin Irrit.: 2; H315 Flam. Liq. : 3; H226	>= 0,1 - < 1
Citronellyl acetate	150-84-5 205-775-0	Xi; N R38 R51/53	Aquatic Chronic: 2; H411 Eye Irrit.: 2; H319 Skin Irrit.: 2; H315	>= 0,1 - < 1

For the full text of the H-Statements mentioned in this Section, see Section 16.

For the full text of the R-phrases mentioned in this Section, see Section 16.

Acute aquatic toxicity:

<sup>1)</sup> 0,1 < L(E)C50 <= 1 mg/l

<sup>2)</sup> 0,01 < L(E)C50 <= 0,1 mg/l

## SECTION 4: FIRST AID MEASURES

### 4.1 Description of first aid measures

General advice	: Move out of dangerous area. Never give anything by mouth to an unconscious person.
Inhalation	: Move to fresh air.
Skin contact	: Take off all contaminated clothing immediately. If symptoms persist, call a physician.
Eye contact	: Immediately flush eye(s) with plenty of water.
Ingestion	: Clean mouth with water and drink afterwards plenty of water. Prevent vomiting if possible. If a person vomits when lying on his back, place him in the recovery position. Never give anything by mouth to an unconscious person. If accidentally swallowed obtain immediate medical attention.

### 4.2 Most important symptoms and effects, both acute and delayed

no data available

### 4.3 Indication of any immediate medical attention and special treatment needed

no data available

## SECTION 5: FIREFIGHTING MEASURES

### 5.1 Extinguishing media

Suitable extinguishing media	: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Extinguishing media which shall not be used for safety reasons	: High volume water jet

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

## EUCALYPTUS LEAF

Version 10

Revision Date 08.11.2012

Print Date 28.02.2013

### 5.2 Special hazards arising from the substance or mixture

Specific hazards during firefighting : Do not use a solid water stream as it may scatter and spread fire.  
Do not allow run-off from fire fighting to enter drains or water courses.

### 5.3 Advice for firefighters

Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.

Further information : In the event of fire and/or explosion do not breathe fumes.  
Use water spray to cool unopened containers.  
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.  
Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### 6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Ensure adequate ventilation.  
Use personal protective equipment.

### 6.2 Environmental precautions

Environmental precautions : Should not be released into the environment.  
Avoid subsoil penetration.  
Prevent further leakage or spillage if safe to do so.  
If the product contaminates rivers and lakes or drains inform respective authorities.

### 6.3 Methods and materials for containment and cleaning up

Methods for cleaning up : Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).  
Wipe up with absorbent material (e.g. cloth, fleece).

Additional advice : Local authorities should be advised if significant spillages cannot be contained.  
Suppress (knock down) gases/vapours/mists with a water spray jet.

### 6.4 Reference to other sections

For personal protection see section 8.

## SECTION 7: HANDLING AND STORAGE

### 7.1 Precautions for safe handling

Advice on safe handling : Dispose of rinse water in accordance with local and national regulations.  
For personal protection see section 8.

Advice on protection against fire and explosion : When using do not smoke.

## **EUCALYPTUS LEAF**

Version 10

Revision Date 08.11.2012

Print Date 28.02.2013

### **7.2 Conditions for safe storage, including any incompatibilities**

- Requirements for storage areas and containers : Store in original container.  
Keep container tightly closed in a dry and well-ventilated place.  
To maintain product quality, do not store in heat or direct sunlight.  
Containers which are opened must be carefully resealed and kept upright to prevent leakage.
- Advice on common storage : No special restrictions on storage with other products.
- Other data : No decomposition if stored and applied as directed.

### **7.3 Specific end use(s)**

Fragrance

## **SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

### **8.1 Control parameters**

#### **Components with workplace control parameters, Germany:**

Components	CAS-No.	Control parameters	Update	Basis
(R)-p-Mentha-1,8-diene	5989-27-5	AGW 20 ppm	07 2009	TRGS 900
p-Cymene	99-87-6 25155-15-1	AGW 100 mg/m <sup>3</sup>	07 2009	TRGS 900

#### **Components with workplace control parameters, United Kingdom:**

Components	CAS-No.	Control parameters	Update	Basis
2,6-di-tert-Butyl-p-cresol	128-37-0	TWA 10 mg/m <sup>3</sup>	2005	EH40 WEL

### **8.2 Exposure controls**

#### **Engineering measures**

none

#### **Personal protective equipment**

- Respiratory protection : No personal respiratory protective equipment normally required.
- Hand protection : Barrier creams may help to protect the exposed areas of skin, they should however not be applied once exposure has occurred.  
Wear chemicals-resistant gloves, e.g. safety gloves of chloroprene Level 2 or of butyl rubber Level 6.
- Eye protection : Safety glasses
- Skin and body protection : Lightweight protective clothing  
Remove and wash contaminated clothing before re-use.
- Hygiene measures : Wash hands before breaks and immediately after handling the product.

**EUCALYPTUS LEAF**

Version 10

Revision Date 08.11.2012

Print Date 28.02.2013

Protective measures : Avoid contact with skin.  
When using, do not eat, drink or smoke.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES****9.1 Information on basic physical and chemical properties****Appearance**

Form : liquid  
Colour : colorless to yellow  
Odour : characteristic

**Safety data**

Flash point : 66 °C  
Water solubility : no data available  
Relative density : 0,9757 - 0,9957 (relation to density of water at 20°C)  
Vapour pressure : 2 kPa at 50 °C (calculated)  
Boiling point : no data available  
Melting point/freezing point : no data available  
Partition coefficient:  
n-octanol/water : no data available  
pH : no data available  
Viscosity, dynamic : no data available  
Viscosity, kinematic : no data available  
Evaporation rate : no data available  
Flammability (solid, gas) : no data available  
Ignition temperature : no data available  
Minimum ignition energy : no data available  
Auto-ignition temperature : no data available  
Oxidizing properties : no data available  
Lower explosion limit : no data available  
Upper explosion limit : no data available  
Conductivity : no data available  
Bulk density : no data available  
Solubility/qualitative : no data available  
Solubility in other solvents : no data available  
Impact Sensitivity : no data available





**SAFETY DATA SHEET**  
according to Regulation (EC) No. 1907/2006

**EUCALYPTUS LEAF**

Version 10

Revision Date 08.11.2012

Print Date 28.02.2013

Burning number : no data available

Relative vapor density : no data available

**9.2 Other data**

None.

**SECTION 10: STABILITY AND REACTIVITY**

**10.1 Reactivity** : no data available

**10.2 Chemical stability** : no data available

**10.3 Possibility of hazardous reactions** : No dangerous reaction known under conditions of normal use.

**10.4 Conditions to avoid** : no data available

**10.5 Incompatible materials to avoid** : no data available

**10.6 Hazardous decomposition products** : no data available

**SECTION 11: TOXICOLOGICAL INFORMATION**

**11.1 Information on toxicological effects**

Acute oral toxicity : Acute toxicity estimate : 4.537,16 mg/kg, Calculation method

Acute inhalation toxicity : no data available

Acute dermal toxicity : no data available

Repeated dose toxicity : no data available

Acute toxicity (other routes of administration) : no data available

Skin irritation : no data available

Eye irritation : no data available

Sensitisation : no data available

Mutagenicity : no data available

Carcinogenicity : no data available

Reproductive toxicity : no data available

Teratogenicity : no data available

Specific target organ toxicity - single exposure : no data available

Specific target organ toxicity - repeated exposure : no data available

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

## EUCALYPTUS LEAF

Version 10

Revision Date 08.11.2012

Print Date 28.02.2013

Aspiration toxicity : no data available

### SECTION 12: ECOLOGICAL INFORMATION

#### 12.1 Toxicity

no data available

#### 12.2 Persistence and degradability

no data available

#### 12.3 Bioaccumulative potential

no data available

#### 12.4 Mobility in soil

no data available

#### 12.5 Results of PBT and vPvB assessment

no data available

#### 12.6 Other adverse effects

Toxic to aquatic life with long lasting effects.

### SECTION 13: DISPOSAL CONSIDERATIONS

#### 13.1 Waste treatment methods

Product : Where possible recycling is preferred to disposal or incineration. If recycling is not practicable, dispose of in compliance with local regulations.

Contaminated packaging : Empty remaining contents.  
Dispose of as unused product.

### SECTION 14: TRANSPORT INFORMATION

#### 14.1 UN number

ADR : 3082  
RID : 3082  
IMDG : 3082  
IATA-DGR : 3082

#### 14.2 Proper shipping name

ADR : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  
(HEXAHYDROHEXAMETHYL CYCLOPENTABENZOPYRAN)  
RID : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  
(HEXAHYDROHEXAMETHYL CYCLOPENTABENZOPYRAN)  
IMDG : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. MP  
(HEXAHYDROHEXAMETHYL CYCLOPENTABENZOPYRAN, LIMONENE)  
IATA-DGR : Environmentally hazardous substance, liquid, n.o.s.  
(HEXAHYDROHEXAMETHYL CYCLOPENTABENZOPYRAN)

**SAFETY DATA SHEET**  
according to Regulation (EC) No. 1907/2006

**EUCALYPTUS LEAF**

Version 10

Revision Date 08.11.2012

Print Date 28.02.2013

**14.3 Transport hazard class**

ADR : 9  
RID : 9  
IMDG : 9  
IATA-DGR : 9

**14.4 Packing group**

ADR:  
Packaging group : III  
Classification Code : M6  
Hazard identification No : 90  
Labels : 9  
Tunnel restriction code : (E)

RID:  
Packaging group : III  
Classification Code : M6  
Hazard identification No : 90  
Labels : 9

IMDG:  
Packaging group : III  
Labels : 9  
EmS - EmS : F-A , S-F

IATA-DGR:  
Packing instruction (cargo aircraft) : 964  
Qty/Pkg (Cargo) : 450,00 L  
Packing instruction (passenger aircraft) : 964  
Qty/Pkg (Passenger) : 450,00 L  
Packaging group : III  
Labels : 9MI

**14.5 Environmental hazards**

ADR:  
Environmentally hazardous : yes

RID:  
Environmentally hazardous : yes

IMDG:  
Marine Pollutant : yes

IATA-DGR:  
Environmentally hazardous : yes

**14.6 Special precautions for user**

no data available

**14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

not applicable

**SECTION 15: REGULATORY INFORMATION**

**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

**National legislation**

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

## EUCALYPTUS LEAF

Version 10

Revision Date 08.11.2012

Print Date 28.02.2013

Risk classification according to BetrSichV (Germany) : Flash Point > 55 °C up to 100 °C, at 15 °C not miscible with water

Water contaminating class (Germany) : WGK 2 (water endangering)  
Calculation acc. Annex 4 to VwVwS

TA Luft List (Germany) : Type: Organic Substances  
portion Class 1: 0,5 %

### 15.2 Chemical Safety Assessment

no data available

## SECTION 16: OTHER INFORMATION

### Full text of R-phrases referred to under sections 2 and 3:

R10	Flammable.
R22	Harmful if swallowed.
R36	Irritating to eyes.
R36/38	Irritating to eyes and skin.
R38	Irritating to skin.
R41	Risk of serious damage to eyes.
R43	May cause sensitization by skin contact.
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R65	Harmful: may cause lung damage if swallowed.

### Full text of H-Statements referred to under sections 2 and 3.:

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.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H373	May cause damage to organs through prolonged or repeated exposure.
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.
H412	Harmful to aquatic life with long lasting effects.

### Further information

*The data contained in this Safety Data Sheet is accurate to the best knowledge of Candle Supply Pty Ltd, applies to the product as supplied Candle Supply Pty Ltd, and does not relate to use in combination with any other material or in any process. Data and information is furnished without warranty expressed or implied, nor does Candle Supply Pty Ltd, assume responsibility for use or reliance upon this data.*

*This SDS is current to the date listed above. However, the GHS classifications may change due to hazard communication updates by the overseeing governing body. For the most current SDS information please contact customerservice@candlesupply.com.au*