



## SAFETY DATA SHEET EUCALYPTUS OIL

### 1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING

PRODUCT NAME: EUCALYPTUS OIL

PRODUCT NO: RM102

SUPPLIER: J M Loveridge Ltd  
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EMERGENCY CONTACT NUMBER:

### HAZARDS IDENTIFICATION

Classification of the substance or mixture

*Regulation (EC) No 1272/2008*

Aspiration toxicity	Category 1 – (H304)
Skin corrosion/irritation	Category 2 – (H315)
Skin sensitisation	Category 1 – (H317)
Chronic aquatic toxicity	Category 2 – (H411)
Flammable liquids	Category 3 – (H226)

Classification according to Directive 67/548/EEC or 1999/45/EC

*Full text of R-Phrases: See Section 16*

Hazard Symbols

FA – Flammable

N – Dangerous for the Environment

R-Code(s)

R10;R43;R51/53;R65

Label Elements



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  
 H411 – Toxic to aquatic life with long lasting effects  
 H226 – Flammable liquid and vapour

Precautionary Statements – EU (§28, 1272/2008)

P280 – Wear eye protection/face protection  
 P301 + P310 – IF SWALLOWED: Immediately call a POISON CENTRE or doctor  
 P331 – Do NOT induce vomiting  
 P210 – Keep away from heat/sparks/open flames/hot surfaces – No Smoking

Other Hazards

No information available

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### 3 COMPOSITION/INFORMATION ON INGREDIENTS

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Substances

Chemical Name	EC No	CAS No	Weight - %	Classification according to Directive 67/548/EEC or 1999/45/EC	Classification according to Regulation (EC) No. 1272/2008 [CLP]	REACH Registration Number
1,8-Epoxy-p-menthane	207-431-5	470-82-6	70-90	FL;R10 Xi;R43	Skin Sens. 1 (H317) Flam. Liq. 3 (H226)	No data available
Limonene	227-813-5	5989-27-5	2-10	FL;R10 Xn;R65 Xi;R38 R43 N;R50-53	Asp. Tox. 1 (H304) Skin Irrit. 2 (H315) Skin Sens. 1 (H317) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410) Flam. Liq. 3 (H226)	No data available
p-Mentha-1,4-diene	202-794-6	99-85-4	2-10	FL;R10 Xn;R65	Asp. Tox. 1 (H304) Flam. Liq. 3 (H226)	No data available
Alpha Pinene	201-291-9	80-56-8	2-5	FL;R10 Xn;R65 Xi;R38 R43	Asp. Tox. 1 (H304) Skin Irrit. 2 (H315) Skin Sens. 1 (H317) Flam. Liq. 3 (H226)	No data available
Para cymene	202-796-7	99-87-6	2-5	FL;R10 Xn;R65 N;R51/53	Asp. Tox. 1 (H304) Aquatic Chronic 2 (H411) Flam. Liq. 3 (H226)	No data available
Beta Pinene	204-872-5	127-91-3	1-2.5	FL;R10 Xn;R65 Xi;R38 R43	Asp. Tox. 1 (H304) Skin Irrit. 2 (H315) Skin Sens. 1 (H317) Flam. Liq. 3 (H226)	No data available

Full text of R-Phrases: See Section 16

Full text of H- and EUH-Phrases: See Section 16

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## **4 FIRST - AID MEASURES**

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### DESCRIPTION OF FIRST AID MEASURES

#### SKIN CONTACT

Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes

#### EYE CONTACT

Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a doctor

#### INHALATION

Remove to fresh air

#### INGESTION

Clean mouth with water. If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label

### MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

#### SYMPTOMS

Skin disorders. May cause an allergic skin reaction

See Section 11: TOXICOLOGICAL INFORMATION

### INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

#### NOTE TO DOCTORS

Treat symptomatically

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## **5 FIRE-FIGHTING MEASURES**

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### EXTINGUISHING MEDIA

#### SUITABLE EXTINGUISHING MEDIA

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment

#### UNSUITABLE EXTINGUISHING MEDIA

Water

### SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE

#### SPECIFIC HAZARDS ARISING FROM THE CHEMICAL

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

#### ADVICE FOR FIREFIGHTERS

#### SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS

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

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## **6 ACCIDENTAL RELEASE MEASURES**

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### 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

#### ENVIRONMENTAL PRECAUTIONS

See Section 12 for additional ecological information

### METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP

#### METHODS FOR CONTAINMENT

Prevent further leakage or spillage if safe to do so

#### METHODS FOR CLEANING UP

Soak up with inert absorbent material. Take up mechanically, placing in appropriate containers for disposal

## REFERENCE TO OTHER SECTIONS

See Section 8 for more information. See Section 13 for more information

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**7 HANDLING AND STORAGE**


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## PRECAUTIONS FOR SAFE HANDLING

## ADVICE ON SAFE HANDLING

Ensure adequate ventilation, especially in confined areas. Use personal protection recommended in Section 8.

## GENERAL HYGIENE CONSIDERATIONS

Handle in accordance with good industrial hygiene and safety practice. When using do not eat, drink or smoke

## CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

## STORAGE CONDITIONS

Keep container tightly closed in a dry well-ventilated place

## SPECIFIC END USE(S)

No information available

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**8 EXPOSURE CONTROLS/PERSONAL PROTECTION**


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## CONTROL PARAMETERS

## EXPOSURE LIMITS

Chemical Name	European Union	United Kingdom	France	Spain	Germany
Limonene 5989-27-5	-	-	TWA: 1000 mg/m <sup>3</sup> STEL: 1500 mg/m <sup>3</sup>	-	TWA: 5ppm TWA: 28 mg/m <sup>3</sup> H*
p-Mentha-1, 4- diene 99-85-4	-	-	TWA: 1000 mg/m <sup>3</sup> STEL: 1500 mg/m <sup>3</sup>	-	-
Alpha Pinene 80-56-8	-	-	TWA: 1000 mg/m <sup>3</sup> STEL: 1500 mg/m <sup>3</sup>	TWA: 20 ppm TWA: 113 mg/m <sup>3</sup>	-
Para cymene 99-87-6	-	-	TWA: 150 mg/m <sup>3</sup> TWA: 1000 mg/m <sup>3</sup> STEL: 1500 mg/m <sup>3</sup>	-	-
Beta Pinene 127-91-3	-	-	TWA: 1000 mg/m <sup>3</sup> STEL: 1500 mg/m <sup>3</sup>	TWA: 20 ppm TWA: 113 mg/m <sup>3</sup>	-
Chemical Name	Italy	Portugal	Netherlands	Finland	Denmark
Limonene 5989-27-5	-	-	-	TWA: 25 ppm TWA: 140 mg/m <sup>3</sup> STEL: 50 ppm STEL: 280 mg/m <sup>3</sup>	-
Alpha Pinene 80-56-8	-	TWA: 20 ppm	-	-	-
Para cymene 99-87-6	-	-	-	-	TWA: 25 ppm TWA: 135 mg/m <sup>3</sup>
Beta Pinene 127-91-3	-	TWA: 20 ppm	-	-	-
Chemical Name	Austria	Switzerland	Poland	Norway	Ireland
Limonene 5989-27-5	-	TWA: 7ppm TWA: 40	-	TWA: 25 ppm TWA: 140 mg/m <sup>3</sup>	-

		mg/m <sup>3</sup> STEL: 14 ppm STEL: 80 mg/m <sup>3</sup>		STEL: 25 ppm STEL: 140 mg/m <sup>3</sup>	
Alpha Pinene 80-56-8	-	-	-	TWA: 25 ppm TWA: 140 mg/m <sup>3</sup> STEL: 25 ppm STEL: 140 mg/m <sup>3</sup> H*	-
Beta Pinene 127-91-3	-	-	-	TWA: 25 ppm TWA: 140 mg/m <sup>3</sup> STEL: 25 ppm STEL: 140 mg/m <sup>3</sup>	

**DERIVED NO EFFECT LEVEL (DNEL)**

No information available

**PREDICTED NO EFFECT CONCENTRATION (PNEC)**

No information available

**EXPOSURE CONTROLS****ENGINEERING CONTROLS**

Ensure adequate ventilation, especially in confined areas

**PERSONAL PROTECTIVE EQUIPMENT****EYE/FACE PROTECTION**

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

**HAND PROTECTION**

Wear protective gloves

**SKIN AND BODY PROTECTION**

Wear suitable protective clothing

**RESPIRATORY PROTECTION**

None under normal use conditions

**GENERAL HYGIENE CONSIDERATIONS**

Regular cleaning of equipment, work area and clothing is recommended

**ENVIRONMENTAL EXPOSURE CONTROLS**

Do not allow into any sewer, on the ground or into any body of water. Local authorities should be advised if significant spillages cannot be contained.

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**9 PHYSICAL AND CHEMICAL PROPERTIES**


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Information on basic physical and chemical properties

Colour:	Colourless or light green
Physical state:	Liquid
Odour:	No information available
Odour threshold:	No information available
<u>Property</u>	<u>Values</u>
pH:	No information available
Melting point/freezing point:	No information available
Boiling point/boiling range:	No information available
Flash point:	49°C/120.2°F
Evaporation rate:	No information available
Flammability (solid, gas):	No information available
Flammability Limit in Air	

Upper flammability limit:	No information available
Lower flammability limit:	No information available
Vapour pressure:	No information available
Vapour density:	No information available
Specific gravity:	No information available
Water solubility:	No information available
Solubility(ies):	No information available
Partition coefficient:	No information available
Autoignition temperature:	No information available
Decomposition temperature:	No information available
Kinematic viscosity:	No information available
Dynamic viscosity:	No information available
Explosive properties:	No information available
Oxidising properties:	No information available
<u>Other Information</u>	
Softening point:	No information available
Molecular weight:	No information available
VOC Content (%):	No information available
Density:	0.915 @ 20°C
Bulk density:	No information available

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## 10 STABILITY AND REACTIVITY

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### REACTIVITY

No data available

### CHEMICAL STABILITY

Stable under recommended storage conditions

### POSSIBILITY OF HAZARDOUS REACTIONS

None under normal processing

### CONDITIONS TO AVOID

Heat, flames and sparks. Exposure to air or moisture over prolonged periods

### INCOMPATIBLE MATERIALS

No information available

### HAZARDOUS DECOMPOSITION PRODUCTS

None under normal use conditions

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## 11 TOXICOLOGICAL INFORMATION

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### INFORMATION ON TOXICOLOGICAL EFFECTS

#### ACUTE TOXICITY

##### INHALATION

No known effect

##### EYE CONTACT

No known effect

##### SKIN CONTACT

No known effect

##### INGESTION

Potential for aspiration if swallowed

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
1,8-Epoxy-p-menthane	= 2480 mg/kg (Rat)		
Limonene		>5 g/kg (Rabbit)	
p-Mentha-1, 4-diene	= 3650 mg/kg (Rat)		
Alpha Pinene	= 3700 mg/kg (Rat)	>5000 mg/kg (Rat)	
Para cymene	3669 mg/kg (Rat)		

#### NUMERICAL MEASURES OF TOXICITY – PRODUCT INFORMATION

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

ATEmix (Oral) 2,751.00

#### UNKNOWN ACUTE TOXICITY

##### ACUTE ORAL TOXICITY

0% of the mixture consists of ingredient(s) of unknown acute oral toxicity

##### ACUTE DERMAL TOXICITY

0% of the mixture consists of ingredient(s) of unknown acute dermal toxicity

##### ACUTE INHALATION TOXICITY – GAS

0% of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)

##### ACUTE INHALATION TOXICITY – VAPOUR

0% of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapour)

##### ACUTE INHALATION TOXICITY – DUST/MIST

0% of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

#### SYMPTOMS

Skin disorders. May cause an allergic skin reaction

## 12 ECOLOGICAL INFORMATION

#### TOXICITY

##### ECOTOXICITY

Toxic to aquatic life with long lasting effects. May cause long lasting harmful effects to aquatic life

0% of the mixture consists of component(s) of unknown hazards to the aquatic environment

Chemical Name	Algae/Aquatic Plants	Fish	Crustacea
Limonene	-	0.619 – 0.796: 96h Pimephales promelas mg/L LC50 flow-through 35: 96h Oncorhynchus mykiss mg/L LC50	-

#### PERSISTENCE AND DEGRADABILITY

No information available

#### BIOACCUMULATIVE POTENTIAL

Chemical Name	Partition coefficient
Alpha Pinene	4.1
Para cymene	4.1

#### MOBILITY IN SOIL

No information available

#### RESULTS OF PBT AND vPvB ASSESSMENT

No information available

#### OTHER ADVERSE EFFECTS

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### 13 DISPOSAL CONSIDERATIONS

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#### WASTE TREATMENT METHODS

#### WASTE FROM RESIDUES/UNUSUED 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

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### 14 TRANSPORT INFORMATION

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#### IMDG

UN/ID No	1169
Proper Shipping Name	EXTRACTS, AROMATIC, LIQUID
Hazard Class	3
Packing Group	III
Marine Pollutant	This material meets the definition of a marine pollutant
Environmental Hazard	Yes
Special Provisions	None
Environmental Hazard	Yes

#### ADR/RID

UN/ID No	1169
Proper Shipping Name	EXTRACTS, AROMATIC, LIQUID
Hazard Class	3
Packing Group	III
Environmental Hazard	Yes
Special Provisions	None

#### IATA

UN/ID No	1169
Proper Shipping Name	EXTRACTS, AROMATIC, LIQUID
Hazard Class	3
Packing Group	III
Environmental Hazard	Yes
Special Provisions	None

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### 15 REGULATORY INFORMATION

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#### SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC FOR THE SUBSTANCE OR MIXTURE

Chemical Name	French RG number	Title
Limonene 5989-27-5	RG 84	-

Water Hazard Class (WGK) Not determined

#### EUROPEAN UNION

Take note of directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

Ozone-depleting substances (ODS) regulation (EC) 1005/2009 Not applicable



## INTERNATIONAL INVENTORIES

TSCA	Complies
DSL/NDSL	Complies
EINECS/ELINCS	Complies
ENCS	Complies
IECSC	Complies
KECL	Complies
PICCS	Complies
AICS	Complies

Legend

TSCA – United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL – Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS – European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances

ENCS – Japan Existing and New Chemical Substances

IECSC – China Inventory of Existing Chemical Substances

KECL – Korean Existing and Evaluated Chemical Substances

PICCS – Philippines Inventory of Chemicals and Chemical Substances

AICS – Australian Inventory of Chemical Substances

## CHEMICAL SAFETY ASSESSMENT

No information available

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**16 OTHER INFORMATION**

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## KEY OR LEGEND TO ABBREVIATIONS AND ACRONYMS USED IN THE SAFETY DATA SHEET

Full text of R-Phrases referred to under Sections 2 and 3

R10 – Flammable

R38 – Irritating to skin

R43 – May cause sensitisation by skin contact

R65 – Harmful: May cause lung damage if swallowed

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

Full text of H-Statements referred to under Section 3

H304 – May be fatal if swallowed and enters airways

H315 – Causes skin irritation

H317 – May cause an allergic skin reaction

H226 – Flammable liquid and vapour

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

Legend

SVHC: Substances of Very High Concern for Authorisation

Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value	*	Skin designation

DISCLAIMER

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