

## MATERIAL SAFETY DATA SHEET

### ORGANIC EUCALYPTUS OIL



<b>SECTION 1: Identification of the substance/mixture and of the company/undertaking</b>
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#### **1.1 Product Identifier**

Product Name: Eucalyptus Essential Oil, Organic

Biological Definition: Essential oil of sub-species of Eucalyptus Globulus Labill.  
Including Tasmanian blue gum oil and Southern blue gum oil.

INCI Name: Eucalyptus Globulus Leaf Oil

Synonyms & Trade Names: Tasmanian blue gum oil, Southern blue gum oil.

Internal Product Code: R00159

FEMA No.: 2466

FDA No.: 172.610

CoE No.: 185

CAS-No: 8000-48-4

EC No.: 283-406-2  
EINECS No.: 283-406-2

## **1.2 Details of the supplier of the safety data sheet**

Company Identification:

G. Baldwin & Co.  
173 Walworth Road,  
LONDON, ENGLAND. SE17 1RW.  
Telephone: +44 (0) 207 703 5550 Fax: +44 (0)207 252 6264  
E-mail: [info@baldwins.co.uk](mailto:info@baldwins.co.uk)  
Web: [www.baldwins.co.uk](http://www.baldwins.co.uk)

1.3 Emergency telephone number  
Emergency tel: +44 (0) 207 703 5550  
(office hours only)

<b>SECTION 2: Hazards identification</b>
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### **2.1 Classification of the substance or mixture**

Classification (67/548/EEC)  
Xn+N; R10-43-51/53-65, S24-37-61-62  
Classification (EU 1272/2008)  
UH-GHS: FL 3, ATO 5(3100), AH 1, SCI 2, SS 1, EH A2, C2  
EU-CLP: FL 3, AH 1, SCI 2, SS 1, EH A2 C2

### **2.2 Label elements**

Label in accordance with Regulation (EC) No 1272/2008

GHS Label:

GHS02 GHS08 GHS07 GHS09

Signal word: Danger

Contains

Pinenes, limonene

Hazard Statements:

H226 Flammable liquid & vapour

H304 May be fatal if swallowed & enters airways

H315 Causes skin irritation

H317 May cause an allergic skin reaction

H411 Toxic to aquatic life with long-lasting effects

Precautionary Statements:

P262. Avoid contact with skin and eyes

P273 Avoid release to the environment

P280: Wear protective gloves/protective clothing/eye protection/face protection

P301 + P310: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

P331 Do NOT induce vomiting.

Supplementary Precautionary

Statements:

P391 Collect spillage

Risk phrases and Safety phrases in full refer to Section 16 – Other Information

## 2.3 Other hazards

Adverse physio-chemical properties

The material is combustible but will not normally self-ignite.

Adverse effects on human health

May cause eye and skin irritation.

## SECTION 3: Composition/information on ingredients

### 3.1 Substances

80-85% Cineoles UN-GHS: FL 3,ATO 5(2480), SCI 3

8% Limonene UN-GHS: SCI 2; SS 1; EH A1,C1

8% Pinenes UN-GHS: SCI 2; SS 1; EH A1,C1

1% para-Cymene UN-GHS: ATO 5(4750); SCI3; EH A2,C2

### 3.2 Mixtures

EU INCI

US INCI

N/A

N/A

Description: flamme

Description: GHS08

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

General Information

See categories below

Inhalation

Remove from exposure area to fresh air. Contact a doctor if necessary.

#### Ingestion

Wash mouth out with water and obtain medical advice immediately.

#### Skin Contact

Remove contaminated clothing. Wash thoroughly with soap and water. Seek medical advice if irritation persists or there is any sign of tissue damage.

#### Eye Contact

Flush with plenty of water and seek medical advice if necessary.

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

N/A

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

N/A

<b>SECTION 5: Fire fighting measures</b>
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#### **5.1 Extinguishing Media**

Use CO<sub>2</sub>, Dry Powder or Foam type extinguishers, spraying extinguishing media to base of flames. Do not use direct water jet on burning material.

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

None

#### **5.3 Advice for fire-fighters**

Wear protective clothing. Avoid inhalation of vapours. Closed containers may build up pressure when exposed to heat and should be cooled with water spray

<b>SECTION 6: Accidental release measures</b>
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#### **6.1 Personal precautions**

Maintain good occupational and personal hygiene. Avoid contact with skin and eyes

### **6.2 Environmental precautions**

Do not discharge directly into drains or soil. Keep away from surface and ground water

### **6.3 Methods and material for containment and cleaning up**

Soak up spillage with sand or other inert material. Transfer soaked material to suitable waste container and dispose according to prevailing regulations.

### **6.4 References to other sections.**

Please refer to Section 8 - Exposure controls/personal protection for further information on personal precautions

Please refer to Section 13 - Disposal Considerations for further information on waste treatment.

<h2><b>SECTION 7: Handling and Storage</b></h2>
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### **7.1 Precautions for safe handling**

Precautions in handling: Apply good manufacturing practice & industrial hygiene practices, ensuring proper workplace ventilation. Observe good personal hygiene, and do not eat, drink or smoke whilst handling

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

Store in tightly closed original container, in a cool, dry & ventilated area away from heat sources & protected from light. Keep air contact to a minimum

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

N/A

## **SECTION 8: Exposure controls/personal protection**

### **8.1 Control Parameters**

None

### **8.2 Exposure Controls**

Eye protection: Use safety glasses.

Hand protection: Avoid all direct skin contact. Use chemically resistant gloves if required.

Respiratory Equipment: Avoid breathing product vapour. Apply local ventilation where possible.

Hygiene Measures: Wash hands with soap & water after handling.

Engineering Measures: Ensure good ventilation of working area.

## **SECTION 9: Physical and chemical properties**

### **9.1 Information on basic physical and chemical properties**

Appearance: Liquid at room temperature

Colour: Colourless to pale yellow

Odour: Fresh, aromatic, cineolic.

Relative Density:

0.9060 to 0.9270 @ 20°C

Flash Point (°C)

47

Refractive Index

1.4580 to 1.4700 @ 20°C

Melting Point (°C)

Not found

Boiling Point (°C)

175 @ 760mm Hg

Vapour Pressure

Not found

Solubility in Water @20°C

Less than 0.4%

Auto-ignition temperature (°C)

Not available

## **9.2 Other information**

N/A

<b>SECTION 10: Stability and reactivity</b>
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### **10.1 Reactivity**

Reactivity: It presents no significant reactivity hazards, by itself or in contact with water. Avoid contact with strong acids, alkali or oxidising agents.

### **10.2 Chemical stability**

Generally regarded as stable under most storage conditions.

### **10.3 Possibility of hazardous reactions**

None



#### **10.4 Conditions to avoid**

Avoid storage temperatures above 25°C

#### **10.5 Incompatible materials**

None.

#### **10.6 Hazardous decomposition products**

On ignition may generate toxic gases, carbon dioxide etc.

<b>SECTION II: Toxicological information</b>
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#### **II.1 Information on toxicological effects.**

Acute toxicity:

See below

LD<sub>50</sub> (Oral):

Acute oral toxicity: LD<sub>50</sub> orl-rat 2480 mg/kg FCT 13,105 (1975). However may be more toxic to humans via oral route: TDLo orl-chld 218mg/kg; TDLo orl-man 375mg kg<sup>-1</sup>.

LC<sub>50</sub> (Dermal):

Acute Dermal toxicity: LD<sub>50</sub> skn-rbt 2480 mg/kg; FCT 13, 91 (1976)

Skin corrosion / irritation:

Skn rbt 500mg/24hrs MOD FCT 13,91 (1976) & FCT 13,107

Serious eye damage/irritation:

Listed as category 2 under GHS & CLP. Wear suitable eye/face protection to prevent exposure.

Respiratory or skin sensitisation:

Listed as skin sensitiser Category I under GHS & CLP.

Germ cell mutagenicity:

Not listed (OSHA, IARC, NTP, EPA, ACGIH, Cal Prop 65) as mutagenic.

Carcinogenicity:

Not listed (OSHA, IARC, NTP, EPA, ACGIH, Cal Prop 65) as carcinogenic

Reproductive toxicity:

Not listed (OSHA, IARC, NTP, EPA, ACGIH, Cal Prop 65) as reprotoxic.

STOT-single exposure:

Not determined

STOT-repeated exposure:

Not determined

Aspiration hazard:

Listed as Category I under GHS & CLP.

Other information:

N/A

<b>SECTION 12: Ecological information</b>
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**12.1 Toxicity**

No available weight-of-evidence summary indicating groundwater toxicity

**12.2 Persistence and degradability**

No available weight-of-evidence summary

### **12.3 Bio-accumulative potential**

Not determined – thought to be low

### **12.4 Mobility in soil**

Not determined

### **12.5 Results of PBT and VPVB assessment**

Not determined

### **12.6 Other adverse effects**

Precautions: prevent surface contamination of soil, ground & surface water.

<b>SECTION 13: Disposal considerations</b>
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### **13.1 Waste Treatment Methods**

Do not release into the environment. Collect waste into suitable containers and contact hazardous chemical disposal company

<b>SECTION 14: Transport information</b>
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Warning Icon

Proper Shipping Name

EXTRACTS AROMATIC LIQUID NOS

UN No. Road

UN 1169

ADR Class

Class 3 Pk Gp III

Hazard No (ADR)

30

Hazchem Code

3Y

UN No. SEA  
UN 1169  
IMDG Class  
Class 3  
IMDG Pack Gr.  
Pk Gp III  
EMS  
N/A  
UN No. AIR  
UN 1169  
Air Class  
Class 3  
Air Pack Gr.  
Pk Gp III

Description: File:HAZMAT Class 3 Flammable Liquids.png

Description: File:HAZMAT Class 3 Flammable Liquids.png

<b>SECTION 15: Regulatory information</b>
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**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

EU Directives

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18th Dec 2006 Concerning the

Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European

Chemicals Agency, amending Directive 199/45/EC and repealing Council Regulation 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, and 93/105/EEC and 2000/21/EC including amendments.

## Statutory Instruments

The Chemicals (Hazard Information and Packaging for Supply Regulations 2009  
(S.I. 2009 No 716)).

## Approved Code of Practice

Classification and Labelling of Substances and Preparations Dangerous for  
Supply. Safety Data Sheets for  
Substances and Preparations

## Guidance Notes

Workplace Exposure Limits EH40. CHIP for everyone HSG 108.

### **15.2 Chemical safety assessment**

An assessment has not been executed as this is not a hazardous material according  
to article 31 of REACH 1907/2006.

### **SECTION 16: Other information**

Training instructions: Refer to possible hazard before use of this product.

#### Abbreviations and acronyms:

MSDS

Material Safety Data Sheet

INCI

International Nomenclature of Cosmetic Ingredients

CAS

Chemical Abstract Service

IMDG

International Maritime Code for Dangerous Goods

ADR

Accord européen sur le transport des marchandises dangereuses par Route  
(European Agreement  
concerning the International Carriage of Dangerous Goods by Road)

RID

International Carriage of Dangerous Goods by Rail

ICAO

International Civil Aviation Organization

ADN

International Carriage of Dangerous Goods by Inland Waterways

GHS

Globally Harmonized System of Classification and Labelling of Chemicals

Trem Card

Transport Emergency Card

STOT

Specific Target Organ Toxicity

N/A

Not Available

Risk Phrases in full:

R10 Flammable

R65 Harmful. May cause lung damage if swallowed

R38 Irritating to skin

R51/53 Toxic to aquatic organisms. May cause long-term damage in the aquatic environment.

R65 Harmful. May cause lung damage if swallowed.

Hazard Statements in full:

H226 Flammable liquid & vapour

H304 May be fatal if swallowed & enters airways

H315 Causes skin irritation

H317 May cause an allergic skin reaction

H411 Toxic to aquatic life with long-lasting effects

Complies with REACH guidance for SDS as circulated by ECHA 2011.

Disclaimer:

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PRODUCTS  
SINCE 1844