

## **MATERIAL SAFETY DATA SHEET**

### **MAY CHANG 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: Litsea Cubeba Oil

Biological Definition: Litsea Cubeba Fruit Oil is the volatile oil obtained from the berries of the Litsea cubeba, Lauraceae

INCI Name: Litsea Cubeba Fruit Oil

Synonyms & Trade Names: Litsea Cubeba, May Chang Oil

CAS-No: 90063-59-5/ 68855-99-2

EC No. 290-018-7

EINECS No. 290-018-7

#### **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)

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

Classification (67/548/EEC)

N/A

Classification (EU 1272/2008)

Human health : Skin Irrit. 2 - H315; Eye Irrit. 2 - H319; Skin Sens. 1 -  
H317; Asp. Tox. 1 - H304

Environment : Aquatic Acute 2 - H401; Aquatic Chronic 2 - H411

### 2.2 Label elements

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

GHS Label:

GHS08 GHS07 GHS09

Signal word:

Danger

Contains

Citral, Citronellal, Geraniol, Limonene, Pinenes

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.

H401 Toxic to aquatic life.

H411 Toxic to aquatic life with long lasting effects.

Precautionary Statements:

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

P262 Do not get in eyes, on skin, or on clothing.

P301+310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

P305+351+338 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.

Supplementary Precautionary  
Statements:

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P264 Wash ... thoroughly after handling.

P272 Contaminated work clothing should not be allowed out of the workplace.

P273 Avoid release to the environment.

P302+352 IF ON SKIN: Wash with plenty of soap and water.

P313 Get medical advice/attention.

P321 Specific treatment (see ... on this label).

P332+313 If skin irritation occurs: Get medical advice/attention.

P333+313 If skin irritation or rash occurs: Get medical advice/attention.

P337 If eye irritation persists:

P362 Take off contaminated clothing and wash before reuse.

P363 Wash contaminated clothing before reuse.

P391 Collect spillage.  
P405 Store locked up.  
P501 Dispose of contents/container to ...

### **2.3 Other hazards**

Adverse physio-chemical properties  
No additional data available

Adverse effects on human health  
No additional data available

<b>SECTION 3: Composition/information on ingredients</b>
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### **3.1 Substances**

1-5% Beta Caryophyllene CAS-No.: 87-44-5 EC No.: 201-746-1 Asp. Tox. 1 - H304

60-100% Citral CAS-No.: 5392-40-5 EC No.: 226-394-6 Skin Irrit. 2 - H315, Eye Irrit. 2 - H319, Skin Sens. 1 - H317

1-5% Citronellal 1-5% CAS-No.: 106-23-0 EC No.: 203-376-6 Skin Irrit. 2 - H315, Skin Sens. 1 - H317, Aquatic Chronic 2 - H411

< 1% Citronellol CAS-No.: 106-22-9 EC No.: 203-375-0 Skin Irrit. 2 - H315, Eye Irrit. 2 - H319, Skin Sens. 1 - H317

1-5% Geraniol CAS-No.: 106-24-1 EC No.: 203-377-1 Skin Irrit. 2 - H315, Eye Dam. 1 - H318, Skin Sens. 1 - H317

10-30% Limonene CAS-No.: 5989-27-5 EC No.: 227-813-5 Flam. Liq. 3 - H226, Skin Irrit. 2 - H315, Skin Sens. 1 - H317, Asp. Tox. 1 - H304, Aquatic Acute 1 - H400, Aquatic Chronic 1 - H410

1-5% Myrcene (7-methyl-3-methylenoocta-1,6-diene) CAS-No.: 123-35-3 EC No.: 204-622-5 Flam. Liq. 3 - H226, Skin Irrit. 2 - H315, Eye Irrit. 2 - H319, Asp. Tox. 1 - H304

1-5% Pinenes 1-5% CAS-No.: 80-56-8 EC No.: 201-291-9 Flam. Liq. 3 - H226, Skin Irrit. 2 - H315, Skin Sens. 1 - H317, Asp. Tox. 1 - H304

### **3.2 Mixtures**

EU INCI: N/A

US INCI: N/A

<b>SECTION 4: First aid measures</b>
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#### **4.1 Description of first aid measures**

General Information

See below for details

Inhalation

Move the exposed person to fresh air at once. Harmful by inhalation. Inhalation may cause nausea and vomiting.

May cause dizziness and headache. Seek medical attention.

Ingestion

Ingestion may cause nausea and vomiting. Seek medical attention if irritation or symptoms persist. Harmful if swallowed.

Skin Contact

Remove affected person from source of contamination. Remove contaminated clothing. Wash the skin immediately with soap and water. Seek medical attention if irritation or symptoms persist.

Eye Contact

Remove victim immediately from source of exposure. Make sure to remove any contact lenses from the eyes before rinsing. Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. If symptoms persist seek medical attention

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

Inhalation: May irritate respiratory tract.

Ingestion: May be harmful if swallowed

Skin contact: There may be irritation and redness of the site of contact.

Eye contact: May irritate eyes

#### **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**

Extinguishing media: Use as appropriate: Foam, dry powder, water jet spray.

Unsuitable extinguishing media: Full water jet.

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

Burning can produce irritating, toxic and noxious fumes.

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

#### **Special Fire Fighting Procedures**

Keep away from sources of heat, sparks and flames. Cool endangered drums with water.

#### **Protective equipment for fire-fighters**

Wear suitable respiratory equipment when necessary. Wear full protective clothing.

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

Wear protective clothing as described in Section 8 of this safety data sheet.

### **6.2 Environmental precautions**

Do not discharge into drains, water courses or onto the ground.

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

Absorb with inert, absorbent material. Sweep up. Transfer to suitable, labelled container for disposal. Clean spillage area thoroughly with plenty of water.

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

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

## **SECTION 7: Handling and Storage**

### **7.1 Precautions for safe handling**

Avoid spilling, skin and eye contact. Ensure adequate ventilation of the working area. Adopt best manual handling considerations when handling, carrying and dispensing.

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

Store in tightly closed original container in a dry, cool and well-ventilated place. Keep in original container. Keep away from heat, sparks and open flame. DO NOT SMOKE IN WORK AREA!

Storage Class: Chemical storage.

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

N/A

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

### **8.1 Control Parameters**

Avoid discharging into drainage water. Only eliminate by authorised companies.

### **8.2 Exposure Controls**

Eye protection

Wear approved safety goggles.

Hand protection

Chemical resistant gloves (PVC)

Respiratory Equipment

Self-contained breathing apparatus.



### Hygiene Measures

Wear appropriate clothing to prevent any possibility of skin contact. DO NOT SMOKE IN WORK AREA! Wash hands at the end of each work shift and before eating, smoking and using the toilet. Wash promptly with soap & water if skin becomes contaminated. Promptly remove any clothing that becomes contaminated. When using do not eat, drink or smoke.

### Engineering Measures

Provide adequate ventilation. Provide eyewash station.

<b>SECTION 9: Physical and chemical properties</b>
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#### **9.1 Information on basic physical and chemical properties**

Appearance

Mobile Liquid

Colour

Light yellow

Odour

Characteristic

Relative Density

0.880 - 0.980 @ 25°C

Flash Point (°C)

65 - 70°C (Closed cup).

Refractive Index

1.480 - 1.500 @ 20°C

Melting Point (°C)

No additional data available.

Boiling Point (°C)

No additional data available.

Vapour Pressure

No additional data available.

Solubility in Water @20°C

Insoluble in water.

Auto-ignition temperature (°C)

No additional data available.

## **9.2 Other information**

N/A

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

No additional information available.

### **10.2 Chemical stability**

Stable under the recommended handling and storage conditions.

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

No additional data available.

### **10.4 Conditions to avoid**

Heat, sparks and open flames.

### **10.5 Incompatible materials**

Materials To Avoid: Alkali metals. Strong acids. Oxidising agents.

## **10.6 Hazardous decomposition products**

None under normal conditions.

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

Acute toxicity:

Toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment.

Skin corrosion / irritation:

May cause sensitisation by skin contact.

Serious eye damage/irritation:

Spray and vapour in the eyes may cause irritation and smarting.

Respiratory or skin sensitisation:

In high concentrations, vapours may irritate throat and respiratory system and cause coughing.

Germ cell mutagenicity:

No additional data available

Carcinogenicity:

No additional data available

Reproductive toxicity:

No additional data available

STOT-single exposure:

No additional data available

STOT-repeated exposure:

No additional data available

Aspiration hazard:

No additional data available

Other information:

May cause discomfort if swallowed.

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

Dangerous for the environment: May cause long-term adverse effects in the aquatic environment.

**12.2 Persistence and degradability**

No additional data available.

**12.3 Bio-accumulative potential**

No additional data available.

#### **12.4 Mobility in soil**

No additional data available.

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

No additional data available.

#### **12.6 Other adverse effects**

N/A

### **SECTION 13: Disposal considerations**

#### **13.1 Waste Treatment Methods**

General information

Do not allow to enter drains, sewers or watercourses.

Dispose of waste and residues in accordance with local authority requirements.

### **SECTION 14: Transport information**

Warning Icon

Proper Shipping Name

ENVIRONMENTALLY HAZARDOUS SUBSTANCE LIQUID N.O.S.

UN No. Road

3082

ADR Class

Class 9

Hazard No (ADR)

9

Hazchem Code

Data not found

UN No. SEA

3082

IMDG Class

Class 9

IMDG Pack Gr.

Packing group III

EMS

F-A-S-F

UN No. AIR

3082

Air Class

Class 9

Air Pack Gr.

Packing group III

<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) No793/93 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.

<b>SECTION 16: Other information</b>
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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

Hazard and/or Precautionary

Statements in Full

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H315 Causes skin irritation.

H226 Flammable liquid and vapour.

H304 May be fatal if swallowed and enters airways.

H317 May cause an allergic skin reaction.

H411 Toxic to aquatic life with long lasting effects.

H401 Toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

H400 Very toxic to aquatic life.

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

Disclaimer:

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