



## MATERIAL SAFETY DATA SHEET

According to EU Regulation 1907/2006

### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/PREPARATION & THE COMPANY/UNDERTAKING)

#### 1.1 PRODUCT IDENTIFIER

<b>Product Name</b>	Lemon Essential Oil
<b>Biological Definition</b>	Citrus Limon Peel Oil is the volatile oil obtained from the fresh peel of the Lemon, Citrus limon (L.), Rutaceae
<b>INCI Name</b>	Citrus Limon Peel Oil
<b>Synonyms &amp; Trade Names</b>	-
<b>Internal Product Code</b>	TCDL-CESS-BOWL-NLEM
<b>CAS Number</b>	8008-56-8 / 84929-31-7
<b>EC Number</b>	284-515-8
<b>EINECS Number</b>	284-515-8
<b>REACH Status</b>	Registration number 01-2119495512-35-XXXX

#### 1.2 DETAILS OF THE SUPPLIER OF THE MATERIAL SAFETY DATA SHEET

<b>Company</b>	Cosy Owl Volsom Ltd. 20-28 Albert Road, Braintree, Essex, England CM73JQ
<b>Emergency Telephone Number</b>	01376 560 348



## SECTION 2: HAZARD IDENTIFICATION

### 2.1 CLASSIFICATION OF THE SUBSTANCES OR MIXTURE

The Full Text for all Hazard Statements are Displayed in Section 16.

<b>Classification (EU 1272/2008)</b>	Aquatic Chronic 2: Hazardous to the aquatic environment, long-term hazard, Category 2, H411 Asp. Tox. 1: Aspiration hazard, Category 1, H304 Flam. Liq. 3: Flammable liquids, Category 3, H226 Skin Irrit. 2: Skin irritation, Category 2, H315 Skin Sens. 1: Sensitisation, skin, Category 1, H317
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### 2.2 LABEL ELEMENTS

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

<b>GHS Label:</b>	    <p>GHS08      GHS09      GHS07      GHS02</p>
<b>Signal word:</b>	Danger
<b>Contains</b>	No additional data available.
<b>Hazard Statements:</b>	H411 - Toxic to aquatic life with long lasting effects H304 - May be fatal if swallowed and enters airways H226 - Flammable liquid and vapour H315 - Causes skin irritation H317 - May cause an allergic skin reaction respectively
<b>Precautionary Statements:</b>	P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking P264: Wash thoroughly after handling P280: Wear protective gloves/protective clothing/eye protection/face protection P301+P310: IF SWALLOWED: Immediately call a POISON CENTER/doctor P302+P352: IF ON SKIN: Wash with plenty of water P370+P378: In case of fire: Use ABC powder extinguisher to extinguish P403+P235: Store in a well-ventilated place. Keep cool P501: Dispose of contents/container in accordance with regulations on hazardous waste or packaging and packaging waste respectively
<b>Supplementary Precautionary Statements:</b>	No additional data available.

### 2.3 OTHER HAZARDS

<b>PBT or vPvB according to Annex XIII</b>	No additional data available.
<b>Adverse physio-chemical properties</b>	No additional data available.
<b>Adverse effects on human health</b>	No additional data available.
<b>Other Hazards</b>	Contains 97.47% VOC

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 MIXTURE

CAS: 138-86-3 EINECS: 205-341-0 **DIPENTENE** Flam. Liq. 3, H226; Asp. Tox. 1, H304; Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Skin Irrit. 2, H315; Skin Sens. 1B, H317 **>50-100%**

CAS: 18172-67-3 EINECS: 242-060-2 **l-beta.-Pinene** Flam. Liq. 3, H226; Asp. Tox. 1, H304; Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Skin Irrit. 2, H315; Skin Sens. 1B, H317 **>10-20%**

CAS: 99-85-4 EINECS: 202-794-6 **p-Mentha-1,4-diene** Flam. Liq. 3, H226; Asp. Tox. 1, H304 **>5-<10%**

CAS: 5392-40-5 EINECS: 226-394-6 **3,7-Dimethyl-2,6-octadien-1-al (cis und trans)** Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317 **>2.5-5%**

CAS: 7785-26-4 EINECS: 232-077-3 **l.alpha.-Pinene** Flam. Liq. 3, H226; Asp. Tox. 1, H304; Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Skin Irrit. 2, H315; Skin Sens. 1B, H317 **≥1-<2.5%**



CAS: 123-35-3 EINECS: 204-622-5 **Myrcene** Flam. Liq. 3, H226; Asp. Tox. 1, H304; Skin Irrit. 2, H315; Eye Irrit. 2A, H319 **1-2.5%**  
 CAS: 3387-41-5 **4-Methyliden-1-propan-2-ylbicyclo[3.1.0]hexan** Flam. Liq. 3, H226; Asp. Tox. 1, H304; Skin Irrit. 2, H315; Skin Sens. 1, H317 **1-2.5%**  
 CAS: 105-87-3 EINECS: 203-341-5 **2,6-Octadien-1-ol-3,7-dimethylacetate** Skin Irrit. 2, H315; Skin Sens. 1B, H317; Aquatic Chronic 3, H412 **≥0.1-<1%**  
 CAS: 586-62-9 EINECS: 209-578-0 **Terpinolene** Flam. Liq. 3, H226; Asp. Tox. 1, H304; Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Skin Sens. 1B, H317 **≥0.1-<0.25%**  
 CAS: 78-70-6 EINECS: 201-134-4 **3,7-Dimethyl-1,6-octadien-3-ol** Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1B, H317 **≥0.1-<1%**

## SECTION 4: FIRST AID MEASURES

### 4.1 DESCRIPTION OF FIRST AID MEASURES

<b>Inhalation</b>	Supply fresh air and to be sure call for a doctor. In case of unconsciousness place patient stably in side position for transportation.
<b>Ingestion</b>	Drink plenty of water and provide fresh air. Call for a doctor immediately.
<b>Skin Contact</b>	Immediately wash with water and soap and rinse thoroughly.
<b>Eye Contact</b>	Rinse opened eye for several minutes under running water. Then consult a doctor.

### 4.2 MOST IMPORTANT SYMPTOMS. BOTH ACCUTE AND DELAYED.

No further relevant information available.

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

No further relevant information available.

## SECTION 5: FIRE FIGHTING MEASURES

### 5.1 EXTINGUISHING MEDIA

**Suitable extinguishing agents:** CO<sub>2</sub>, sand, extinguishing powder. **Do not use water.**

**Unsuitable extinguishing agents:** Water with full jet

### 5.2 SPECIAL HAZARDS ARISING FROM THE PRODUCT

No additional data available.

### 5.3 ADVICE FOR FIRE FIGHTERS

Protective equipment: No special measures required.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### 6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

Wear protective equipment. Keep unprotected persons away.

### 6.2 ENVIRONMENTAL PRECAUTIONS

Inform respective authorities in case of seepage into water course or sewage system.  
Do not allow to enter sewers/ surface or ground water.

### 6.3 METHODS AND MATERIAL FOR CONTAMINATED AND CLEANING UP



Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose contaminated material as waste according to item 13. Ensure adequate ventilation. Do not flush with water or aqueous cleansing agents

#### 6.4 REFERENCES TO OTHER SECTIONS

See sections 8 and 13.

### SECTION 7: HANDLING AND STORAGE

#### 7.1 PRECAUTIONS FOR SAFE HANDLING

Ensure good ventilation/exhaustion at the workplace. Information about fire - and explosion protection: Keep ignition sources away - Do not smoke. Protect against electrostatic charges.

#### 7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

Keep container tightly sealed.

#### 7.3 SPECIFIC END USE(S)

No additional data available

### SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

#### 8.1 CONTROL PARAMETERS

No additional data available.

#### 8.2 EXPOSURE CONTROLS

<b>Protective equipment</b>	
<b>Process Conditions</b>	No additional data available.
<b>Engineering Measures</b>	No additional data available.
<b>Respiratory Equipment</b>	Not required.
<b>Hand Protection</b>	Wear Protective gloves. The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
<b>Eye Protection</b>	Tightly sealed goggles
<b>Other Protection</b>	No additional data available.
<b>Hygiene Measures</b>	Good personal hygiene practices are always advisable, especially when working with chemicals / oils. Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing
<b>Personal Protection</b>	No additional data available.
<b>Skin Protection</b>	Wear protective clothing to avoid skin contact.



<b>Environmental Exposure Controls</b>	No additional data available.
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## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 INFORMATION ON BASIS PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	Mobile liquid
<b>Colour</b>	Colourless to yellow
<b>Odour</b>	Characteristic, that of fresh lemon peel
<b>Relative Density / Specific Gravity @ 20°C</b>	0.840 – 0.861
<b>Refractive Index @ 20°C</b>	1.465 – 1.485
<b>Flash Point (°C)</b>	49 °c
<b>Melting Point (°C)</b>	No additional data available.
<b>Boiling Point (°C)</b>	No additional data available.
<b>Vapour Pressure</b>	No additional data available.
<b>Solubility in Water @20°C</b>	Not miscible or difficult to mix.
<b>Auto-ignition temperature (°C)</b>	No additional data available.

### 9.2 OTHER INFORMATION

No additional data available.



## SECTION 10: STABILITY AND REACTIVITY

### 10.1 REACTIVITY

No additional data available.

### 10.2 CHEMICAL STABILITY

No additional data available.

### 10.3 POSSIBLE HAZARD REACTIONS

No additional data available.

### 10.4 CONDITIONS TO AVOID

No additional data available.

### 10.5 INCOMPATIBLE MATERIALS

No additional data available.

### 10.6 HAZARDOUS DECOMPOSITION PRODUCTS

No additional data available.

## SECTION 11: TOXOLOGICAL INFORMATION

### 11.1 INFORMATION ON TOXOLOGICAL EFFECTS

<b>Acute toxicity</b>	No additional data available.
<b>Skin corrosion / irritation</b>	Causes skin irritation.
<b>Serious eye damage/irritation</b>	No additional data available.
<b>Respiratory or skin sensitisation</b>	May cause an allergic skin reaction.
<b>Germ cell mutagenicity</b>	No additional data available.
<b>Carcinogenicity</b>	No additional data available.
<b>Reproductive toxicity</b>	No additional data available.
<b>STOT-single exposure</b>	No additional data available.
<b>STOT-repeated exposure</b>	No additional data available.
<b>Aspiration hazard</b>	May be fatal if swallowed and enters airways.
<b>Photo-toxicity</b>	No additional data available.
<b>Other information:</b>	No additional data available.



**SECTION 12: ECOLOGICAL INFORMATION**

**12.1 TOXICITY**

No additional data available.

**12.2 PERSISTENCE AND DEGRADABILITY**

No additional data available.

**12.3 BIOACCUMULATION POTENTIAL**

No additional data available.

**12.4 MOBILITY IN SOIL**

Very toxic for fish  
 Toxic for fish  
 Very toxic for water fleas.  
 Toxic for water fleas  
 Very toxic for algae  
 Toxic for algae

**12.5 RESULTS OF PBT AND VPVB ASSESSMENT**

No additional data available.

**12.6 OTHER ADVERSE EFFECTS**

No additional data available.

**SECTION 13: DISPOSAL CONSIDERATIONS**

**13.1 WASTE TREATMENT METHODS**

Disposal must be made according to official regulations.

**SECTION 14: TRANSPORT INFORMATION**

**14.1 UN NUMBER**

<b>UN No. Road</b>	UN 1169
<b>UN No. Sea</b>	UN 1169
<b>UN No. Air</b>	UN 1169

**14.2 UN PROPER SHIPPING NAME**

EXTRACTS, AROMATIC, LIQUID

**14.3 TRANSPORT HAZARD CLASS(ES)**



**ADR/RID/ADN Class:** 3 Flammable Liquid.  
**IMDG Class:** 3 Flammable Liquid.  
**ICAO Class/Division:** 3 Flammable Liquid.

**14.4 PACKAGING GROUP**

ADR/RID/ADN Packing group III  
 IMDG Packing group III  
 ICAO Packing group III



#### 14.5 ENVIRONMENTAL HAZARDS

Environmentally Hazardous Substance/Marine Pollutant



#### 14.6 SPECIAL PRECAUTIONS FOR USER

This product contains flammables and dangerous for the environment. In case on pouring out, make sure label new packaging accordingly. Reproducing original label with relevant symbols.

#### 14.7 TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL73/78 AND THE IBC CODE

No additional data available

### SECTION 15: REGULATORY INFORMATION

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

##### Statutory Instruments

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

##### Guidance Notes

Workplace Exposure Limits EH40. CHIP for everyone HSG (108).

##### EU Legislation

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing 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, 93/105/EC and 2000/21/EC, including amendments.

#### 15.2 CHEMICAL SAFETY ASSESSMENT

No additional information available.

### SECTION 16: OTHER INFORMATION

<b>Hazard and/or Precautionary Statements in Full</b>	<p>H411 - Toxic to aquatic life with long lasting effects  H304 - May be fatal if swallowed and enters airways  H226 - Flammable liquid and vapour  H315 - Causes skin irritation  H317 - May cause an allergic skin reaction respectively  P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking  P264: Wash thoroughly after handling  P280: Wear protective gloves/protective clothing/eye protection/face protection  P301+P310: IF SWALLOWED: Immediately call a POISON CENTER/doctor  P302+P352: IF ON SKIN: Wash with plenty of water  P370+P378: In case of fire: Use ABC powder extinguisher to extinguish  P403+P235: Store in a well-ventilated place. Keep cool  P501: Dispose of contents/container in accordance with regulations on hazardous waste or packaging and packaging waste respectively</p>
<b>Other Information</b>	Complies with REACH guidance for SDS as circulated by ECHA 2011.
<b>Version</b>	6
<b>Revision Date</b>	24 <sup>th</sup> April 2020
<b>Reason for Revision</b>	Flash Point



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