

# Safety data sheet

## according to 1907/2006/EC, Article 31

Printing date: 26.06.2017

Revision: 26.06.2017

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1 Product identifier

Trade name: **LITTLE TREES Lemon Bottle**

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

Application of the substance / the mixture Air freshener

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

##### Manufacturer/Supplier:

Saxon  
 Everland Road  
 Hungerford  
 Berkshire  
 RG17 0DX  
 United Kingdom  
 Tel. +44 1488 689400  
 Fax. +44 1488 684317

##### Further information obtainable from:

LITTLE TREES Europe Ltd.  
 Buckingham House  
 West Street, Newbury  
 RG14 1BD, UK  
 Tel. +44 1488 689 460  
 Email: chemicalsafety@littletrees.com

#### 1.4 Emergency telephone number:

Guy's & St Thomas' poisons unit (GTPU)  
 Mary Sheridan House  
 15 St Thomas Street  
 London SE1 9RY  
 Tel (24 hour): +44 (0)20 7188 0300 (for health care professionals)  
 NHS Direct (24 h, health advice for the public) 0845 4647

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008



GHS09 environment

Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.



GHS07

Skin Irrit. 2 H315 Causes skin irritation.

Skin Sens. 1 H317 May cause an allergic skin reaction.

#### 2.2 Label elements

**Labelling according to Regulation (EC) No 1272/2008**

The product is classified and labelled according to the CLP regulation.

(Contd. on page 2)

# Safety data sheet

## according to 1907/2006/EC, Article 31

Printing date: 26.06.2017

Revision: 26.06.2017

Trade name: **LITTLE TREES Lemon Bottle**

(Contd. of page 1)

**Hazard pictograms**

GHS07 GHS09

**Signal word** Warning**Hazard-determining components of labelling:**

(R)-p-mentha-1,8-diene

Citral

beta-Pinene

citronellal

Isocyclocitral

pin-2(3)-ene

**Hazard statements**

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H411 Toxic to aquatic life with long lasting effects.

**Precautionary statements**

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P302+P352 IF ON SKIN: Wash with plenty of soap and water.

P501 Dispose of used product(s) with household waste; Dispose of unused product(s) at hazardous or special waste collecting point.

**2.3 Other hazards****Results of PBT and vPvB assessment****PBT:** No further relevant information available.**vPvB:** No further relevant information available.**SECTION 3: Composition/information on ingredients****3.2 Chemical characterisation: Mixtures****Description:** Mixture of substances listed below with nonhazardous additions.

<b>Dangerous components:</b>		
CAS: 8050-15-5 EINECS: 232-476-2 Reg.nr.: 01-2119969275-26	Methyl ester of rosin (partially hydrogenated) ----- Aquatic Chronic 3, H412	10-<25%
CAS: 5989-27-5 EINECS: 227-813-5	(R)-p-mentha-1,8-diene ⚠ Flam. Liq. 3, H226; ⚠ Asp. Tox. 1, H304; ⚠ Aquatic Acute 1, H400; Aquatic Chronic 1, H410; ⚠ Skin Irrit. 2, H315; Skin Sens. 1B, H317	5-<10%
CAS: 61792-11-8 EINECS: 263-214-5 Reg.nr.: 01-2119967769-11	3,7-Dimethyl-2,6-nonadienenitrile ⚠ Aquatic Chronic 2, H411	2,5-5%
CAS: 5392-40-5 EINECS: 226-394-6 Reg.nr.: 01-2119462829-23	Citral ⚠ Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1B, H317	1-2,5%

(Contd. on page 3)

# Safety data sheet

## according to 1907/2006/EC, Article 31

Printing date: 26.06.2017

Revision: 26.06.2017

Trade name: **LITTLE TREES Lemon Bottle**

(Contd. of page 2)

CAS: 127-91-3 EINECS: 204-872-5 Reg.nr.: 01-2119519230-54	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	1-<2,5%
CAS: 1222-05-5 EINECS: 214-946-9 Reg.nr.: 01-2119488227-29	1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran ⚠ Aquatic Acute 1, H400; Aquatic Chronic 1, H410	0,25-1%
CAS: 81-14-1 EINECS: 201-328-9	musk ketone ⚠ Carc. 2, H351; ⚠ Aquatic Acute 1, H400; Aquatic Chronic 1, H410	0,25-1%
CAS: 106-23-0 EINECS: 203-376-6 Reg.nr.: 01-2119474900-37	citronellal ⚠ Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1B, H317	0,1-<1%
CAS: 1335-66-6 EINECS: 215-638-7	Isocyclocitral ⚠ Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1B, H317; Aquatic Chronic 3, H412	0,1-<1%
CAS: 80-56-8 EINECS: 201-291-9 Reg.nr.: 01-2119979519-16	pin-2(3)-ene ⚠ Flam. Liq. 3, H226; ⚠ Asp. Tox. 1, H304; ⚠ Aquatic Acute 1, H400; Aquatic Chronic 1, H410; ⚠ Skin Irrit. 2, H315; Skin Sens. 1B, H317	0,1-<0,25%

**Additional information:** For the wording of the listed hazard phrases refer to section 16.

### SECTION 4: First aid measures

#### 4.1 Description of first aid measures

**After inhalation:** Supply fresh air; consult doctor in case of complaints.**After skin contact:**

Wash with plenty of soap and water.

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

**After eye contact:**

Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing.

If symptoms persist consult doctor.

**After swallowing:** If symptoms persist consult doctor.

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

May cause an allergic skin reaction.

Causes skin irritation.

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

No further relevant information available.

### SECTION 5: Firefighting measures

#### 5.1 Extinguishing media

**Suitable extinguishing agents:**CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.**5.2 Special hazards arising from the substance or mixture** No further relevant information available.

#### 5.3 Advice for firefighters

**Protective equipment:** No special measures required.

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(Contd. on page 4)

# Safety data sheet

## according to 1907/2006/EC, Article 31

Printing date: 26.06.2017

Revision: 26.06.2017

Trade name: **LITTLE TREES Lemon Bottle**

(Contd. of page 3)

### SECTION 6: Accidental release measures

**6.1 Personal precautions, protective equipment and emergency procedures** Not required.

**6.2 Environmental precautions:** Do not allow to reach ground water, water bodies or sewage system.

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

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

**6.4 Reference to other sections**

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

### SECTION 7: Handling and storage

**7.1 Precautions for safe handling** Avoid contact with the eyes and skin.

**Information about fire - and explosion protection:** No special measures required.

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

**Requirements to be met by storerooms and receptacles:** No special requirements.

**Information about storage in one common storage facility:** Not required.

**Further information about storage conditions:** None.

**7.3 Specific end use(s)** Air freshener

### SECTION 8: Exposure controls/personal protection

**Additional information about design of technical facilities:** No further data; see item 7.

**8.1 Control parameters**

**Ingredients with limit values that require monitoring at the workplace:**

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

**Additional information:** The lists valid during the making were used as basis.

**8.2 Exposure controls**

**Personal protective equipment:**

**General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

**Respiratory protection:** Not required.

**Protection of hands:**

Gloves are not required when product is used as intended.

In case of prolonged contact with skin, wear protective gloves.

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation (EN374).

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

**Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

**Eye protection:** Not required.

(Contd. on page 5)

# Safety data sheet

## according to 1907/2006/EC, Article 31

Printing date: 26.06.2017

Revision: 26.06.2017

Trade name: **LITTLE TREES Lemon Bottle**

(Contd. of page 4)

**Limitation and supervision of exposure into the environment**  
Do not allow to reach ground water, water bodies or sewage system.

### SECTION 9: Physical and chemical properties

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

##### General Information

##### Appearance:

<b>Form:</b>	Fluid
<b>Colour:</b>	According to product specification
<b>Odour:</b>	Characteristic
<b>Odour threshold:</b>	Not determined.

**pH-value:** Not determined.

##### Change in condition

<b>Melting point/freezing point:</b>	Not determined.
<b>Initial boiling point and boiling range:</b>	Not determined.

**Flash point:** 68 °C

**Flammability (solid, gas):** Not applicable.

**Ignition temperature:** Not determined.

**Decomposition temperature:** Not determined.

**Auto-ignition temperature:** Product is not selfigniting.

**Explosive properties:** Product does not present an explosion hazard.

##### Explosion limits:

<b>Lower:</b>	Not determined.
<b>Upper:</b>	Not determined.

**Oxidising properties:** Not determined.

**Vapour pressure:** Not determined.

**Density:** Not determined.

**Relative density:** Not determined.

**Vapour density:** Not determined.

**Evaporation rate:** Not determined.

##### Solubility in / Miscibility with

**water:** Not miscible or difficult to mix.

**Partition coefficient: n-octanol/water:** Not determined.

##### Viscosity:

<b>Dynamic:</b>	Not determined.
<b>Kinematic:</b>	Not determined.

**9.2 Other information:** No further relevant information available.

### SECTION 10: Stability and reactivity

**10.1 Reactivity:** No further relevant information available.

(Contd. on page 6)

# Safety data sheet

## according to 1907/2006/EC, Article 31

Printing date: 26.06.2017

Revision: 26.06.2017

Trade name: **LITTLE TREES Lemon Bottle**

(Contd. of page 5)

**10.2 Chemical stability****Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.**10.3 Possibility of hazardous reactions:** No dangerous reactions known.**10.4 Conditions to avoid:** No further relevant information available.**10.5 Incompatible materials:** No further relevant information available.**10.6 Hazardous decomposition products:** No dangerous decomposition products known.**SECTION 11: Toxicological information****11.1 Information on toxicological effects****Acute toxicity** Based on available data, the classification criteria are not met.**LD/LC50 values relevant for classification:****5989-27-5 (R)-p-mentha-1,8-diene**

Oral LD50 4400 mg/kg (rat)

**Skin corrosion/irritation**

Causes skin irritation.

**Serious eye damage/irritation** Based on available data, the classification criteria are not met.**Respiratory or skin sensitisation**

May cause an allergic skin reaction.

**Germ cell mutagenicity** Based on available data, the classification criteria are not met.**Carcinogenicity** Based on available data, the classification criteria are not met.**Reproductive toxicity** Based on available data, the classification criteria are not met.**STOT-single exposure** Based on available data, the classification criteria are not met.**STOT-repeated exposure** Based on available data, the classification criteria are not met.**Aspiration hazard** Based on available data, the classification criteria are not met.**SECTION 12: Ecological information****12.1 Toxicity****Aquatic toxicity:** Toxic to aquatic life with long lasting effects.**12.2 Persistence and degradability** No further relevant information available.**12.3 Bioaccumulative potential** No further relevant information available.**12.4 Mobility in soil** No further relevant information available.**12.5 Results of PBT and vPvB assessment****PBT:** No further relevant information available.**vPvB:** No further relevant information available.**12.6 Other adverse effects** No further relevant information available.**SECTION 13: Disposal considerations****13.1 Waste treatment methods****Recommendation**

Dispose of used product(s) with household waste; Dispose of unused product(s) at hazardous or special waste collecting point.

(Contd. on page 7)

# Safety data sheet

## according to 1907/2006/EC, Article 31

Printing date: 26.06.2017

Revision: 26.06.2017

Trade name: **LITTLE TREES Lemon Bottle**

(Contd. of page 6)

**European waste catalogue**

The waste code 20 03 01 applies to used products. The waste code 16 03 05\* or 16 03 06 applies to unused products.

20 03 01	mixed municipal waste
16 03 05*	organic wastes containing hazardous substances

**Uncleaned packaging:**

**Recommendation:** Smaller quantities can be disposed of with household waste.

### SECTION 14: Transport information

**14.1 UN-Number**

ADR, IMDG, IATA

UN3082

**14.2 UN proper shipping name**

ADR

3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (DIPENTENE, 3,7-Dimethyl-2,6-nonadienenitrile)

IMDG

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (DIPENTENE, 3,7-Dimethyl-2,6-nonadienenitrile), MARINE POLLUTANT

IATA

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (DIPENTENE, 3,7-Dimethyl-2,6-nonadienenitrile)

**14.3 Transport hazard class(es)**

ADR, IMDG, IATA

**Class**

9 Miscellaneous dangerous substances and articles.

**Label**

9

**14.4 Packing group**

ADR, IMDG, IATA

III

**14.5 Environmental hazards:**

Product contains environmentally hazardous substances: d-limonene

**Marine pollutant:**

Symbol (fish and tree)

**Special marking (ADR):**

Symbol (fish and tree)

**Special marking (IATA):**

Symbol (fish and tree)

**14.6 Special precautions for user**

Warning: Miscellaneous dangerous substances and articles.

**Danger code (Kemler):**

90

**EMS Number:**

F-A,S-F

**Stowage Category**

A

**14.7 Transport in bulk according to Annex II of Marpol and the IBC Code**

Not applicable.

**Transport/Additional information:**

This product is not subject to the requirements of ADR due to the special provision n° 375 nor to the requirements of IMDG due to the provision 2.10.2.7 applicable to substances with UN numbers 3077 and 3082, as the product is transported in individual or

(Contd. on page 8)

# Safety data sheet

## according to 1907/2006/EC, Article 31

Printing date: 26.06.2017

Revision: 26.06.2017

Trade name: **LITTLE TREES Lemon Bottle**

(Contd. of page 7)

combination packaging containing a net quantity per single or inner packaging of less than or equal to 5 liters for liquids or 5 kg for solids. The general packaging provisions of the ADR mentioned in Sections 4.1.1.1, 4.1.1.2 and 4.1.1.4 to 4.1.1.8 must be observed. Due to the special provision IATA No. A197 applicable to substances with UN numbers 3077 and 3082, this product can be shipped as "Not Restricted - N.R.", as the product is shipped in packaging having a maximum net capacity of 5 L/kg. The general packaging provisions of IATA must be observed.

**ADR**

**Limited quantities (LQ)**  
**Excepted quantities (EQ)**

5L  
Code: E1  
Maximum net quantity per inner packaging: 30 ml  
Maximum net quantity per outer packaging: 1000 ml

**Transport category**  
**Tunnel restriction code**

3  
E

**IMDG**

**Limited quantities (LQ)**  
**Excepted quantities (EQ)**

5L  
Code: E1  
Maximum net quantity per inner packaging: 30 ml  
Maximum net quantity per outer packaging: 1000 ml

**UN "Model Regulation":**

UN 3082 ENVIRONMENTALLY HAZARDOUS  
SUBSTANCE, LIQUID, N.O.S. (DIPENTENE, 3,7-  
DIMETHYL-2,6-NONADIENENITRILE), 9, III

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

Directive 2012/18/EU

**Named dangerous substances - ANNEX I** None of the ingredients is listed.**Seveso category** E2 Hazardous to the Aquatic Environment**Qualifying quantity (tonnes) for the application of lower-tier requirements** 200 t**Qualifying quantity (tonnes) for the application of upper-tier requirements** 500 t**REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3**National regulations:****Information about limitation of use:** Employment restrictions concerning juveniles must be observed.**15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.**SECTION 16: Other information**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

**Indication of changes:**

SECTION 2, SECTION 3: Update of the classification and labeling information of the product due to:

- Changes in the product composition
- Update of ingredient classifications according to the latest version of IFRA Labeling Manual / Annex VI of the CLP regulation

SECTION 11:

(Contd. on page 9)



# Safety data sheet

## according to 1907/2006/EC, Article 31

Printing date: 26.06.2017

Revision: 26.06.2017

**Trade name: LITTLE TREES Lemon Bottle**

(Contd. of page 8)

- Minor changes (wording, format)
- Update of content based on new product classification
- SECTION 13: Update of content based on newly available information
- SECTION 15: Update of content based on newly available information
- SECTION 16: Update of content based on newly available information

**Relevant phrases**

- H226 Flammable liquid and vapour.
- 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.
- H351 Suspected of causing cancer.
- 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.

**Abbreviations and acronyms:**

- ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
- IMDG: International Maritime Code for Dangerous Goods
- IATA: International Air Transport Association
- GHS: Globally Harmonised System of Classification and Labelling of Chemicals
- EINECS: European Inventory of Existing Commercial Chemical Substances
- ELINCS: European List of Notified Chemical Substances
- CAS: Chemical Abstracts Service (division of the American Chemical Society)
- LC50: Lethal concentration, 50 percent
- LD50: Lethal dose, 50 percent
- PBT: Persistent, Bioaccumulative and Toxic
- vPvB: very Persistent and very Bioaccumulative
- Flam. Liq. 3: Flammable liquids – Category 3
- Skin Irrit. 2: Skin corrosion/irritation – Category 2
- Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
- Skin Sens. 1: Skin sensitisation – Category 1
- Skin Sens. 1B: Skin sensitisation – Category 1B
- Carc. 2: Carcinogenicity – Category 2
- Asp. Tox. 1: Aspiration hazard – Category 1
- Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1
- Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1
- Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2
- Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

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