

# Safety data sheet

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

Printing date: 03.07.2017

Revision: 03.07.2017

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

#### 1.1 Product identifier

Trade name: **LITTLE TREES Citrus Flames Tree**

#### 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.

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**Hazard pictograms**

GHS07 GHS09

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

(R)-p-mentha-1,8-diene  
 Linalool  
 2-(4-tert-Butylbenzyl)propionaldehyde  
 Citronellol  
 Geraniol  
 geranyl acetate  
 Dimethylcyclohex-3-ene-1-carboxaldehyde  
 Citral

**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.**Dangerous components:**

CAS: 5989-27-5 EINECS: 227-813-5	(R)-p-mentha-1,8-diene 	5-<10%
CAS: 78-70-6 EINECS: 201-134-4 Reg.nr.: 01-2119474016-42	Linalool 	2,5-5%
CAS: 80-54-6 EINECS: 201-289-8	2-(4-tert-Butylbenzyl)propionaldehyde 	1-<2,5%
CAS: 112-31-2 EINECS: 203-957-4	decanal 	1-<2,5%
CAS: 98-55-5 EINECS: 202-680-6	p-menth-1-en-8-ol 	1-2,5%

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CAS: 140-11-4 EINECS: 205-399-7	Benzyl acetate Aquatic Chronic 3, H412	1-<2,5%
CAS: 106-22-9 EINECS: 203-375-0	Citronellol ⚠ Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1B, H317	0,1-<1%
CAS: 128-37-0 EINECS: 204-881-4	2,6-di-tert-butyl-p-cresol ⚠ Aquatic Acute 1, H400; Aquatic Chronic 1, H410	0,25-1%
CAS: 106-24-1 EINECS: 203-377-1	Geraniol ⚠ Eye Dam. 1, H318; ⚠ Skin Irrit. 2, H315; Skin Sens. 1, H317	0,1-<1%
CAS: 142-19-8 EINECS: 205-527-1	allyl heptanoate ⚠ Acute Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 3, H331; ⚠ Aquatic Acute 1, H400; Aquatic Chronic 3, H412	0,25-1%
CAS: 34902-57-3 Reg.nr.: 01-0000016883-62	Habanolide ⚠ Aquatic Acute 1, H400; Aquatic Chronic 2, H411	0,25-1%
CAS: 105-87-3 EINECS: 203-341-5	geranyl acetate ⚠ Skin Irrit. 2, H315; Skin Sens. 1B, H317; Aquatic Chronic 3, H412	0,1-<1%
CAS: 123-68-2 EINECS: 204-642-4	allyl hexanoate ⚠ Acute Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 3, H331; ⚠ Aquatic Acute 1, H400; Aquatic Chronic 3, H412	0,1-<0,25%
CAS: 27939-60-2 EINECS: 248-742-6	Dimethylcyclohex-3-ene-1-carboxaldehyde ⚠ Aquatic Chronic 2, H411; ⚠ Acute Tox. 4, H312; Skin Irrit. 2, H315; Skin Sens. 1B, H317	0,1-<0,25%
CAS: 5392-40-5 EINECS: 226-394-6	Citral ⚠ Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1B, H317	0,1-<1%
CAS: 123-92-2 EINECS: 204-662-3	isopentyl acetate ⚠ Flam. Liq. 3, H226	<0,1%
CAS: 628-63-7 EINECS: 211-047-3	pentyl acetate ⚠ Flam. Liq. 3, H226	<0,1%

**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.

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### 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.

### 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:

 Pick up mechanically.

#### 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:

##### 128-37-0 2,6-di-tert-butyl-p-cresol

WEL (Great Britain) Long-term value: 10 mg/m<sup>3</sup>

##### 123-92-2 isopentyl acetate

WEL (Great Britain) Short-term value: 541 mg/m<sup>3</sup>, 100 ppm  
Long-term value: 270 mg/m<sup>3</sup>, 50 ppmIOELV (EU) Short-term value: 540 mg/m<sup>3</sup>, 100 ppm  
Long-term value: 270 mg/m<sup>3</sup>, 50 ppm

##### 628-63-7 pentyl acetate

WEL (Great Britain) Short-term value: 541 mg/m<sup>3</sup>, 100 ppm  
Long-term value: 270 mg/m<sup>3</sup>, 50 ppm

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IOELV (EU)	Short-term value: 540 mg/m <sup>3</sup> , 100 ppm Long-term value: 270 mg/m <sup>3</sup> , 50 ppm
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**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.

#### **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>	Solid
<b>Colour:</b>	According to product specification
<b>Odour:</b>	Characteristic
<b>Odour threshold:</b>	Not determined.

**pH-value:** Not applicable.

#### Change in condition

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

**Flash point:** Not applicable.

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

**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 applicable.
<b>Upper:</b>	Not applicable.

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<b>Oxidising properties</b>	Not determined.
<b>Vapour pressure:</b>	Not applicable.
<b>Density:</b>	Not determined.
<b>Relative density</b>	Not applicable.
<b>Vapour density</b>	Not applicable.
<b>Evaporation rate</b>	Not applicable.
<b>Solubility in / Miscibility with water:</b>	Insoluble.
<b>Partition coefficient: n-octanol/water:</b>	Not applicable.
<b>Viscosity:</b>	
<b>Dynamic:</b>	Not applicable.
<b>Kinematic:</b>	Not applicable.
<b>9.2 Other information</b>	No further relevant information available.

### SECTION 10: Stability and reactivity

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

**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)
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**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.

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### 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.

##### 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

UN3077

#### 14.2 UN proper shipping name

ADR

3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (DIPENTENE)

IMDG

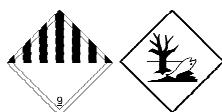
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (DIPENTENE, 2-(4-tert-Butylbenzyl) propionaldehyde), MARINE POLLUTANT

IATA

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (DIPENTENE)

#### 14.3 Transport hazard class(es)

ADR, IMDG, IATA



Class

9 Miscellaneous dangerous substances and articles.

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<b>Label</b>	9
<b>14.4 Packing group</b> ADR, IMDG, IATA	III
<b>14.5 Environmental hazards:</b>	Product contains environmentally hazardous substances: d-limonene
<b>Marine pollutant:</b>	Yes
<b>Special marking (ADR):</b>	Symbol (fish and tree)
<b>Special marking (IATA):</b>	Symbol (fish and tree)
<b>14.6 Special precautions for user</b>	Warning: Miscellaneous dangerous substances and articles.
<b>Danger code (Kemler):</b>	90
<b>EMS Number:</b>	F-A,S-F
<b>Stowage Category</b>	A
<b>Stowage Code</b>	SW23 When transported in BK3 bulk container, see 7.6.2.12 and 7.7.3.9.
<b>14.7 Transport in bulk according to Annex II of Marpol and the IBC Code</b>	Not applicable.
<b>Transport/Additional information:</b>	This product is not subject to the requirements of ADR nor IMDG due to special provision N°335 applicable to small quantities of UN 3077. 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.
<b>ADR</b>	
<b>Limited quantities (LQ)</b>	5 kg
<b>Excepted quantities (EQ)</b>	Code: E1 Maximum net quantity per inner packaging: 30 g Maximum net quantity per outer packaging: 1000 g
<b>Transport category</b>	3
<b>Tunnel restriction code</b>	E
<b>IMDG</b>	
<b>Limited quantities (LQ)</b>	5 kg
<b>Excepted quantities (EQ)</b>	Code: E1 Maximum net quantity per inner packaging: 30 g Maximum net quantity per outer packaging: 1000 g
<b>UN "Model Regulation":</b>	UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (DIPENTENE), 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.**Qualifying quantity (tonnes) for the application of lower-tier requirements** 200 t

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**Qualifying quantity (tonnes) for the application of upper-tier requirements** 500 t

**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:

- 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.
- H301 Toxic if swallowed.
- H302 Harmful if swallowed.
- H304 May be fatal if swallowed and enters airways.
- H311 Toxic in contact with skin.
- H312 Harmful in contact with skin.
- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H318 Causes serious eye damage.
- H319 Causes serious eye irritation.
- H331 Toxic if inhaled.
- H361 Suspected of damaging fertility or the unborn child.
- 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

Acute Tox. 3: Acute toxicity – Category 3

Acute Tox. 4: Acute toxicity – Category 4

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Dam. 1: Serious eye damage/eye irritation – Category 1

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

Skin Sens. 1: Skin sensitisation – Category 1

Skin Sens. 1B: Skin sensitisation – Category 1B

Repr. 2: Reproductive toxicity – Category 2

Asp. Tox. 1: Aspiration hazard – Category 1

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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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