# according to 1907/2006/EC, Article 31

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

### 1.1 Product identifier

# Trade name: LITTLE TREES Sherbet Lemon Tree

UFI: ES3M-MTAK-3W0H-20TW

### 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:

WUNDER-BAUM AG Emdwiesenstrasse 29 CH-8240 Thayngen

Switzerland

Tel. +41 52 645 0707

### Further information obtainable from:

LITTLE TREES Europe Ltd. Buckingham House West Street, Newbury RG14 1BD, UK Tel. +1 3157 889 438

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

United Kingdom

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



environment

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



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 GB CLP regulation.

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### Hazard pictograms





GHS07

GHS09

### Signal word Warning

### Hazard-determining components of labelling

Citral

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

Linalool

Linalyl acetate

3,7-dimethylnona-1,6-dien-3-ol

beta-Pinene

Citronellol

4-(4-hydroxy-4-methylpentyl)cyclohex-3-ene-1-carbaldehyde

Eugenol Eucalyptol

Alpha-n-hexylcinnamicaldehyde

(E)-anethole

#### 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 water and soap.

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.

### **Determination of endocrine-disrupting properties**

Taking into account the current state of scientific knowledge, no data on endocrine disrupting properties of the product are available.

## **SECTION 3: Composition/information on ingredients**

### 3.2 Mixtures

CAS: 5392-40-5

Description: Mixture of substances listed below with nonhazardous additions.

#### **Dangerous components:**

EINECS: 226-394-6

Index number: 605-019-00-3 RTECS: RG 5075000

Reg.nr.: 01-2119462829-23-0006

Citral

(1) Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317

2,5–5%

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CAS: 78-70-6	Linalool (	Contd. of page 2,5–5%
EINECS: 201-134-4 Index number: 603-235-00-2 RTECS: RG 5775000 Reg.nr.: 01-2119474016-42-0008	Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1B, H317	
CAS: 5989-27-5 EINECS: 227-813-5 Index number: 601-096-00-2 RTECS: GW 6360000 Reg.nr.: 01-2119529223-47-XXXX	(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  Note: C	≥1-<2,5%
CAS: 120-51-4 EINECS: 204-402-9 Index number: 607-085-00-9 RTECS: DG 4200000 Reg.nr.: 01-2119976371-33-XXXX	Benzyl benzoate  Aquatic Acute 1, H400; Aquatic Chronic 2, H411;  Acute Tox. 4, H302	≥1–<2,5%
CAS: 115-95-7 EINECS: 204-116-4 Reg.nr.: 01-2119454789-19-XXXX	Linalyl acetate  Skin Irrit. 2, H315; Skin Sens. 1B, H317	1–2,5%
CAS: 10339-55-6 EINECS: 233-732-6 Reg.nr.: 01-2119969272-32-XXXX	3,7-dimethylnona-1,6-dien-3-ol  Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1B, H317	≥0,1–<1%
CAS: 127-91-3 EINECS: 204-872-5	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	≥0,25–<1%
CAS: 106-22-9 EINECS: 203-375-0 RTECS: RH 3400000 Reg.nr.: 01-2119453995-23-XXXX	Citronellol  Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1B, H317	≥0,1–<1%
CAS: 99-85-4 EINECS: 202-794-6 Reg.nr.: 01-2120780478-40-XXXX	gamma-Terpinene  Flam. Liq. 3, H226; Repr. 2, H361; Asp. Tox. 1, H304; Aquatic Chronic 2, H411	≥0,25–<1%
CAS: 97-53-0 EINECS: 202-589-1 Reg.nr.: 01-2119971802-33-0005	Eugenol  Sepe Irrit. 2, H319; Skin Sens. 1B, H317	≥0,1–<1%
CAS: 470-82-6 EINECS: 207-431-5 Reg.nr.: 01-2119967772-24-0007	Eucalyptol  Flam. Liq. 3, H226;  Skin Sens. 1B, H317	≥0,1–<1%
CAS: 101-86-0 EINECS: 202-983-3 Reg.nr.: 01-2119533092-50-XXXX	Alpha-n-hexylcinnamicaldehyde Aquatic Acute 1, H400; Aquatic Chronic 2, H411;  Skin Sens. 1B, H317	≥0,1–<0,25%
CAS: 4180-23-8 EINECS: 224-052-0 RTECS: BZ 9275000 Reg.nr.: 01-2119979097-22-0013	(E)-anethole ♦ Skin Sens. 1B, H317	≥0,1–<1%
CAS: 76-22-2 EINECS: 200-945-0 Reg.nr.: 01-2119966156-31-XXXX	bornan-2-one  ♠ Flam. Sol. 2, H228; ♠ STOT SE 2, H371; ♠ Eye Dam. 1, H318; ♠ Aquatic Chronic 2, H411; ♠ Acute Tox. 4, H302; Acute Tox. 4, H332; Skin Irrit. 2, H315	≤0,1%

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CAS: 31906-04-4 EINECS: 250-863-4 Index number: 605-040-00-8 Reg.nr.: 01-2119971808-21-0005	4-(4-hydroxy-4-methylpentyl)cyclohex-3-ene-1-carbaldehyde  Skin Sens. 1A, H317	(Contd. of page 3) <0,1%
CAS: 123-92-2 EINECS: 204-662-3 Index number: 607-130-00-2 RTECS: NS 9800000 Reg.nr.: 01-2119548408-32-XXXX	isopentyl acetate ♠ Flam. Liq. 3, H226, EŪH066 Note: C	≤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 water and soap.

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:

CO2, 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.

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### 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**

### 8.1 Control parameters

Ingredients with	limit values	that require	monitoring	at the workplace:

#### 76-22-2 bornan-2-one

WEL (Great Britain) Short-term value: 19 mg/m³, 3 ppm

Long-term value: 13 mg/m³, 2 ppm

### 123-92-2 isopentyl acetate

WEL (Great Britain) Short-term value: 541 mg/m³, 100 ppm

Long-term value: 270 mg/m³, 50 ppm

IOELV (Germany) Short-term value: 540 mg/m³, 100 ppm

Long-term value: 270 mg/m³, 50 ppm

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

### 8.2 Exposure controls

Appropriate engineering controls No further data; see item 7.

Individual protection measures, such as 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.

### Hand protection:

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 (Contd. on page 6)

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### 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/face protection: Not required.

Environmental exposure controls: 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** 

Physical state: Solid

**Colour:** According to product specification

Odour: Characteristic
Odour threshold: Not determined.

Melting point/freezing point: Not applicable.

Boiling point or initial boiling point and boiling range: Not applicable.

Flammability: Not determined.

Lower and upper explosion limit

Lower:Not applicable.Upper:Not applicable.Flash point:Not applicable.

Ignition temperature: Product is not selfigniting.

**Decomposition temperature:** Not determined.

**pH-value:** Mixture is non-soluble (in water).

Viscosity

Kinematic:Not applicable.Dynamic:Not applicable.

Solubility

water: Insoluble.Partition coefficient n-octanol/water (log value): Not applicable.Vapour pressure: Not applicable.

Density and/or relative density

Density:Not determined.Relative density:Not applicable.Vapour density:Not applicable.Particle characteristics:Not applicable.

### 9.2 Other information

Appearance:

Form: Solid

Important information on protection of health and

environment, and on safety

Auto-ignition temperature: Product is not selfigniting.

Explosive properties: Product does not present an explosion hazard.

Change in condition

Softening point/range:Not determined.Oxidising properties:Not determined.

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		(contai oi pago
Evaporation rate:	Not applicable.	
9.2.1 Information with regard to physical hazar	rd	
classes		
Explosives	Void	
Flammable gases	Void	
Aerosols	Void	
Oxidising gases	Void	
Gases under pressure	Void	
Flammable liquids	Void	
Flammable solids	Void	
Self-reactive substances and mixtures	Void	
Pyrophoric liquids	Void	
Pyrophoric solids	Void	
Self-heating substances and mixtures	Void	
Substances and mixtures, which emit flammal	ble	
gases in contact with water	Void	
Oxidising liquids	Void	
Oxidising solids	Void	
Organic peroxides	Void	
Corrosive to metals	Void	
Desensitised explosives	Void	

### **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 hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity Based on available data, the classification criteria are not met.

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.

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**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.

Other in	Other information (about experimental toxicology):		
5392-40	0-5 Citral		
Oral	LD50 4.960 mg/kg (rat)		
78-70-6	78-70-6 Linalool		
Oral	LD50 2.790 mg/kg (rat)		
Dermal	LD50 5.610 mg/kg (rabbit)		
5989-27	7-5 (R)-p-mentha-1,8-diene		
Oral	LD50 4.400 mg/kg (rat)		
120-51-	4 Benzyl benzoate		
Oral	LD50 1.700 mg/kg (rat)		
Dermal	LD50 4.000 mg/kg (rabbit)		
106-22-	9 Citronellol		
Oral	LD50 3.450 mg/kg (rat)		
Dermal	LD50 2.650 mg/kg (rabbit)		
97-53-0	Eugenol		
Oral	LD50 1.930 mg/kg (rat)		
	123-92-2 isopentyl acetate		
Oral	LD50 16.000 mg/kg (rat)		

### 11.2 Information on other hazards

### **Endocrine disrupting properties**

Taking into account the current state of scientific knowledge, no data on endocrine disrupting properties of the product are available.

None of the ingredients is listed.

# **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 Endocrine disrupting properties

The product does not contain substances with endocrine disrupting properties.

**12.7 Other adverse effects** No further relevant information available.

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# **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.

14.1 UN number or ID number ADR, IMDG, IATA	UN3077
14.2 UN proper shipping name	
ADR	3077 ENVIRONMENTALLY HAZARDOUS SUBSTANC
IMDG	SOLID, N.O.S. (d-limonene, Benzyl benzoate) ENVIRONMENTALLY HAZARDOUS SUBSTANCE.
	SOLID, N.O.S. (d-limonene, Benzyl benzoate), MARINE
IATA	POLLUTANT ENVIRONMENTALLY HAZARDOUS SUBSTANCE.
IATA	SOLID, N.O.S. (d-limonene, Benzyl benzoate)
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	
Marine pollutant:	Symbol (fish and tree)
Special marking (ADR): Special marking (IATA):	Symbol (fish and tree) Symbol (fish and tree)
• • • •	Symbol (lish and tree)
14.6 Special precautions for user	Warning: Miscellaneous dangerous substances and articles.
Hazard identification number (Kemler code):	90
EMS Number:	F-A,S-F

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Stowage Category Stowage Code	A SW23 When transported in BK3 bulk container, see 7.6.2.12 and 7.7.3.9.
14.7 Maritime transport in bulk according	ng to IMO
instruments	Not applicable.
Transport/Additional information:	This product is not subject to the requirements of ADR no 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 L/kg. The general packaging provisions of IATA must be observed.
ADR Limited quantities (LQ) Excepted quantities (EQ)	5 kg Code: E1 Maximum net quantity per inner packaging: 30 g
Transport category Tunnel restriction code	Maximum net quantity per outer packaging: 1000 g 3 (-)
IMDG Limited quantities (LQ) Excepted quantities (EQ)	5 kg Code: E1 Maximum net quantity per inner packaging: 30 g Maximum net quantity per outer packaging: 1000 g
UN "Model Regulation":	UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (D-LIMONENE, BENZYL BENZOATE), 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 (EU) 2019/1021 on persistent organic pollutants (POP)

None of the ingredients is listed.

### LIST OF SUBSTANCES SUBJECT TO AUTHORISATION (ANNEX XIV)

None of the ingredients is listed.

REGULATION (EC) No 1907/2006 (ANNEX XVII) No restrictions

## Regulation (EU) No 649/2012 concerning the export and import of hazardous chemicals (PIC)

None of the ingredients is listed.

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### **REGULATION (EU) 2019/1148**

Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))

None of the ingredients is listed.

Annex II - REPORTABLE EXPLOSIVES PRECURSORS

None of the ingredients is listed.

Regulation (EC) No 273/2004 on drug precursors

None of the ingredients is listed.

Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors

None of the ingredients is listed.

### National regulations:

Information about limitation of use: Employment restrictions concerning juveniles must be observed.

15.2 Chemical safety assessment A Chemical Safety Assessment of the mixture 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 GB CLP regulation
- Minor changes (wording, format)

SECTION 4: Update of content based on new product classification

SECTION 8: Update of content based on newly available information

SECTION 11, SECTION 12:

- Update of content based on new product classification
- Minor changes (wording, format)

SECTION 14: Update of content based on new product classification

SECTION 15:

- Update of content based on newly available information
- Minor changes (wording, format)

SECTION 16: Update of content based on newly available information

#### Relevant phrases:

- H226 Flammable liquid and vapour.
- H228 Flammable solid.
- H302 Harmful if swallowed.
- H304 May be fatal if swallowed and enters airways.
- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H318 Causes serious eye damage.
- H319 Causes serious eye irritation.
- H332 Harmful if inhaled.
- H361 Suspected of damaging fertility or the unborn child.
- H371 May cause damage to organs.
- H400 Very toxic to aquatic life.

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H410 Very toxic to aquatic life with long lasting effects.

H411 Toxic to aquatic life with long lasting effects.

EUH066 Repeated exposure may cause skin dryness or cracking.

### Abbreviations and acronyms:

ADR: Accord relatif au transport international 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)

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Flam. Liq. 3: Flammable liquids – Category 3

Flam. Sol. 2: Flammable solids - Category 2

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. 1A: Skin sensitisation - Category 1A

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

Repr. 2: Reproductive toxicity - Category 2

STOT SE 2: Specific target organ toxicity (single exposure) - 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

- GB