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

1.1 Product identifier

Trade name: LITTLE TREES Forest Fruit Bottle

UFI: NGCC-4FVM-9S2U-JTFF

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.



Eye Irrit. 2 H319 Causes serious eye 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





Signal word Warning

Hazard-determining components of labelling

Linalool Eugenol

alpha-iso-Methylionone

Caryophyllene

Nerol

Geranyl acetate

Methyl-beta-ionone

Hazard statements

H319 Causes serious eye 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

Description: Mixture of substances listed below with nonhazardous additions.

Dangerous components:			
CAS: 79-77-6 EINECS: 201-224-3 RTECS: EN 0350000 Reg.nr.: 01-2119449921-34-xxxx	ionone Aquatic Chronic 2, H411	≥10-<25%	
CAS: 78-70-6 EINECS: 201-134-4 Index number: 603-235-00-2 RTECS: RG 5775000 Reg.nr.: 01-2119474016-42-xxxx	Linalool Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1B, H317	≥5–<10%	

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CAS: 104-67-6 EINECS: 203-225-4 Reg.nr.: 01-2119959333-34-xxxx	undecan-4-olide Aquatic Chronic 3, H412	5–10%
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, EUH066 Note: C	5–10%
CAS: 97-53-0 EINECS: 202-589-1 Reg.nr.: 01-2119971802-33-xxxx	Eugenol © Eye Irrit. 2, H319; Skin Sens. 1B, H317	≥5–<10%
CAS: 3407-42-9 EINECS: 222-294-1 Reg.nr.: 01-2119979583-21-xxxx	3-(5,5,6-trimethylbicyclo[2.2.1]hept-2-yl)cyclohexan-1-ol Aquatic Acute 1, H400; Aquatic Chronic 2, H411; Eye Irrit. 2, H319	2,5–5%
CAS: 127-51-5 EINECS: 204-846-3 Reg.nr.: 01-2119471851-35-xxxx	alpha-iso-Methylionone Aquatic Chronic 2, H411; Skin Sens. 1B, H317	2,5–5%
CAS: 87-44-5 EINECS: 201-746-1 Reg.nr.: 01-2120745237-53-xxxx	Caryophyllene Asp. Tox. 1, H304; Skin Sens. 1B, H317	≥0,1–<1%
CAS: 106-25-2 EINECS: 203-378-7 Reg.nr.: 01-2119983244-33-xxxx	Nerol Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1B, H317	≥0,1–<1%
CAS: 469-61-4 EINECS: 207-418-4	alpha-Cedrene Asp. Tox. 1, H304; Aquatic Acute 1, H400 (M=10); Aquatic Chronic 1, H410 (M=10); Skin Irrit. 2, H315	≥0,25–<1%
CAS: 105-87-3 EINECS: 203-341-5 Reg.nr.: 01-2119973480-35-xxxx	Geranyl acetate Skin Irrit. 2, H315; Skin Sens. 1B, H317; Aquatic Chronic 3, H412	≥0,1–<1%
CAS: 109-94-4 EINECS: 203-721-0 Index number: 607-015-00-7 RTECS: LQ 8400000	ethyl formate Flam. Liq. 2, H225; Acute Tox. 4, H302; Acute Tox. 4, H332; Eye Irrit. 2, H319; STOT SE 3, H335	0,1–1%
CAS: 127-43-5 EINECS: 204-843-7	Methyl-beta-ionone Aquatic Chronic 2, H411; Skin Irrit. 2, H315; Skin Sens. 1B, H317	≥0,1–<0,25%

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.

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If eye irritation persists: Get medical advice/attention. **After swallowing:** If symptoms persist consult doctor.

4.2 Most important symptoms and effects, both acute and delayed

Causes serious eye irritation.

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May cause an allergic skin reaction.

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

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

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SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace:

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

109-94-4 ethyl formate

WEL (Great Britain) Short-term value: 462 mg/m³, 150 ppm

Long-term value: 308 mg/m³, 100 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 **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: Fluid

Colour: According to product specification

Odour: Characteristic
Odour threshold: Not determined.
Melting point/freezing point: Not determined.
Boiling point or initial boiling point and boiling range: Not determined.
Flammability: Not determined.

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Lower and upper explosion limit

Lower:Not determined.Upper:Not determined.

Flash point: 71°C

Ignition temperature: Product is not selfigniting.

Decomposition temperature: Not determined.

pH-value: Mixture is aprotic/non-polar.

Viscosity

Kinematic:Not determined.Dynamic:Not determined.

Solubility

water: Not miscible or difficult to mix.

Partition coefficient n-octanol/water (log value):
Not determined.
Not determined.

Density and/or relative density

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

9.2 Other information

Appearance:

Form: Fluid

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.

Void

Change in condition

Corrosive to metals

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

9.2.1 Information with regard to physical hazard

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 flammable gases in contact with water Void Oxidising liquids Void Oxidising solids Void Organic peroxides Void

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

Serious eye damage/irritation

Causes serious eye irritation.

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.

Other in	nforma	tion (about experimental toxicology):
79-77-6	ionon	е
Oral	LD50	2.920 mg/kg (rat)
78-70-6	Linalo	ol
Oral	LD50	2.790 mg/kg (rat)
Dermal	LD50	5.610 mg/kg (rabbit)
123-92-2	2 isop	entyl acetate
Oral	LD50	16.000 mg/kg (rat)
97-53-0	Euger	nol
Oral	LD50	1.930 mg/kg (rat)
109-94-4	4 ethyl	formate
Oral	LD50	1.850 mg/kg (rat)
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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.

469-61-4 alpha-Cedrene

EC50 0,05 mg/kg (daphnia)

- 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.

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.

al waste
p

16 03 05* organic wastes containing hazardous substances

Uncleaned packaging:

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

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14.1 UN number or ID number	
ADR, IMDG, IATA	UN3082
14.2 UN proper shipping name ADR IMDG	3082 ENVIRONMENTALLY HAZARDOUS SUBSTANC LIQUID, N.O.S. (ionone, 3-(5,5,6-trimethylbicyclo[2.2.1] hept-2-yl)cyclohexan-1-ol) ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (ionone, 3-(5,5,6-trimethylbicyclo[2.2.1]
IATA	hept-2-yl)cyclohexan-1-ol), MARINE POLLUTANT ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (ionone, 3-(5,5,6-trimethylbicyclo[2.2.1] hept-2-yl)cyclohexan-1-ol)
14.3 Transport hazard class(es)	
ADR, IMDG, IATA	
Class	O Missallansous dengaraus substances and articles
Label	9 Miscellaneous dangerous substances and articles.9
14.4 Packing group ADR, IMDG, IATA	III
14.5 Environmental hazards	
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.
Hazard identification number (Kemler code):	90
EMS Number:	F-A,S-F
Stowage Category	A
14.7 Maritime transport in bulk according to	
instruments	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 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

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	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 b observed.
ADR	
Limited quantities (LQ)	5L
Excepted quantities (EQ)	Code: E1
	Maximum net quantity per inner packaging: 30 ml
	Maximum net quantity per outer packaging: 1000 ml
Transport category	3
Tunnel restriction code	(-)
IMDG	
Limited quantities (LQ)	5L
Excepted quantities (EQ)	Code: E1
(-3)	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. (IONONE, 3-(5,5,6-
	TRIMETHYLBICYCLO[2.2.1]HEPT-2-YL)CYCLOHEXAN
	1-OL), 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.

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.

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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:

- H225 Highly flammable liquid and vapour.
- H226 Flammable liquid and vapour.
- H302 Harmful if swallowed.
- 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.
- H332 Harmful if inhaled.
- H335 May cause respiratory irritation.
- 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.

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

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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. 2: Flammable liquids - Category 2 Flam. Liq. 3: Flammable liquids - Category 3 Acute Tox. 4: Acute toxicity – Category 4
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

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3 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