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Section 1. Identification of the substance or the mixture and of the supplier

1.1 Product Identifier Product identifier: LEMON COOKIE (Contains:(r)-para-Mentha-1,8-diene, 2,5-Dimethyl-4-hydroxy-3- furanone, 7,7-dimethyl-4-methylidenebicyclo[3.1.1]heptane, Benzyl Benzoate)

Other identifiers: None

1.2 **Relevant identified uses of the substance of mixture and uses advised against Product uses:** Fragrances

1.3 Details of the supplier of the safety data sheet

Company name: Blossom Oils Ltd
Company address: Beech House Farm, Ashby de la Zouch, LE65 1TD
Contact: Regulatory Affairs
E-Mail address: sales@blossomoils.co.uk
Company phone: +44 (0) 7512884728

1.4 **Emergency telephone number**

Emergency phone: (+44) 111 (national)

Section 2. Hazards identification

2.1 Classification of the substance or mixture

Classification under Regulation (EC) No 1272/2008

Class and category of danger: Flammable Liquid, Hazard Category 3 Acute Toxicity -

Oral Category 4	Skin Corrosion / Irritation Category 2	Sensitization - Skin Category 1
Aspiration Hazard Category 1	Hazardous to the Aquatic Environment - Acute Hazard Category 1	Hazardous to the Aquatic Environment - Long-term Hazard Category 2
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.	H400, Very toxic to aquatic life.
H411, Toxic to aquatic life with long lasting effects.		

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2.2 Label elements

Classification under Regulation (EC) No 1272/2008

Signal word: Danger

Hazard statements:
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.
H400, Very toxic to aquatic life.
H411, Toxic to aquatic life with long lasting effects.

Supplemental Information:
EUH208, Contains 3-Methylcyclopentane-1,2-dione, 4,7,7-Trimethylbicyclo[3.1.1]hept-3-ene, 4-carvomenthenol natural, Citral, Piperonal. May produce an allergic reaction.

Precautionary statements:
P210, Keep away from heat, sparks, open flames and hot surfaces. - No smoking.
P233, Keep container tightly closed.
P264, Wash hands and other contacted skin thoroughly after handling. P270, Do not eat, drink or smoke when using this product.
P273, Avoid release to the environment.
P280, Wear protective gloves/eye protection/face protection.
P301/310, IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P303/361/353, IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.
P333/313, If skin irritation or rash occurs: Get medical advice/attention.
P370/378, In case of fire: Use carbon dioxide, dry chemical, foam for extinction.
P391, Collect spillage.
P403/235, Store in a well-ventilated place. Keep cool.
P405, Store

locked up.

P240, Ground/bond container and receiving equipment.

P241, Use explosion-proof
electrical, ventilating and lighting
equipment. P242, Use only
non-sparking tools.

P243, Take
precautionary measures
against static discharge.

P261, Avoid breathing
vapour or dust.

P501, Dispose of contents/container to approved disposal site, in accordance with local regulations.
P272, Contaminated work clothing should not be allowed out of the workplace.

P330, Rinse mouth.

P331, Do not induce vomiting.

P362, Take off contaminated clothing and wash before reuse.

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Pictograms:



2.3 Other hazards

Other hazards: Sensitisers declared on a CLP Hazard Label: 3-Methylcyclopentane-1,2-dione, 4,7,7-Trimethylbicyclo[3.1.1] hept-3-ene, 4-carvomenthenol natural, Citral, Piperonal

Hydrocarbon Concentration %: 23.6040%

Section 3. Composition / information on ingredients

3.2 Mixtures
Contains:

Name	CAS	EC	REACH Registration No.	%	Classification for (CLP) 1272/2008	Specific Conc. Limits, M-factors and ATEs
Benzyl Benzoate	120-51-4	204-402-9	01-2119976371-33-XXXX	50-100%	Acute Tox. 4-Aquatic Acute 1-Aquatic Chronic 2;H302-H400-H411,-	oral: ATE = 1160 mg/kg bw
(r)-para-Mentha-1,8-diene	5989-27-5	227-813-5	Exempt < 1 Tonne/pa or natural source	10-<20%	Flam. Liq. 3-Skin Irrit. 2-Skin Sens. 1B-Asp. Tox 1-Aquatic Acute 1-Aquatic Chronic 3; H226-H304-H315-H317-H400-H412,-	M = 1-M = 1
2-Hydroxy-3-methoxybenzaldehyde	121-33-5	204-465-2	01-2119516040-60-XXXX or natural source	1-<5%	Eye Irrit. 2;H319,-	dermal: ATE = 2600 mg/kg bw-oral: ATE = 3300 mg/kg bw
7,7-dimethyl-4-methylidenebicyclo [3.1.1]heptane	127-91-3, 18172-67-3	204-872-5, 242-060-2	01-2119519230-54-XXXX	1-<5%	Flam. Liq. 3-Skin Irrit. 2-Skin Sens. 1B-Asp. Tox 1-Aquatic Acute 1-Aquatic Chronic 1; H226-H304-H315-H317-H410,-	M = 1-M = 1
p-Mentha-1,4-diene	99-85-4	202-794-6	Exempt < 1 Tonne/pa or natural source	1-<5%	Flam. Liq. 3-Repr. 2-Asp. Tox 1-Aquatic Chronic 2;H226-H304-H361-H411,-	oral: ATE = 3650 mg/kg bw
Citral	5392-40-5, 141-27-5, 106-26-3	226-394-6, 205-476-5, 203-379-2	01-2119462829-23-XXXX	0.1-<1%	Skin Irrit. 2-Eye Irrit. 2-Skin Sens. 1;H315-H317-H319,-	
4,7,7-Trimethylbicyclo [3.1.1]hept-3-ene	80-56-8, 7785-26-4	201-291-9, 232-077-3	01-2119519223-49-XXXX / 01-2119979519-16-XXXX or natural source	0.1-<1%	Flam. Liq. 3-Acute Tox. 4-Skin Irrit. 2-Skin Sens. 1B-Asp. Tox 1-Aquatic Acute 1-Aquatic Chronic 1; H226-H302-H304-H315-H317-H410,-	M = 1-oral: ATE = 500 mg/kg bw

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7-methyl-3-methylideneocta-1,6-diene	123-35-3	204-622-5	Exempt <1 Tonne/pa or natural source	0.1-<1%	Flam. Liq. 3-Skin Irrit. 2-Eye Irrit. 2-Asp. Tox 1-Aquatic Acute 1-Aquatic Chronic 2; H226-H304-H315-H319-H400-H411,-	M = 1
Acetoin	513-86-0	208-174-1	01-2120810388-54-XXXX	0.1-<1%	Flam. Liq. 3-Eye Dam. 1-STOT RE 2;H226-H318-H373,-	
Piperonal	120-57-0	204-409-7	01-2119983608-21-XXXX	0.1-<1%	Skin Sens. 1B;H317,-	oral: ATE = 2700 mg/kg bw
4-carvomenthenol natural	562-74-3	209-235-5	01-2120739156-53-XXXX or natural source	0.1-<1%	Acute Tox. 4-Acute Tox. 3-Skin Irrit. 2-Skin Sens. 1-STOT SE 3; H302-H315-H317-H331-H336,-	inhalation: ATE = 3 mg/l (vapour)-dermal: ATE = 2500 mg/kg bw-oral: ATE = 1300 mg/kg bw
3-Methylcyclopentane-1,2-dione	765-70-8, 80-71-7	212-154-8, 201-303-2	Exempt <1 tonne/pa	0.1-<1%	Acute Tox. 4-Skin Sens. 1;H302-H317,-	oral: ATE = 1067 mg/kg bw
2,5-Dimethyl-4-hydroxy-3-furanone	3658-77-3	222-908-8	Exempt <1 tonne/pa or natural source	0.1-<1%	Acute Tox. 4-Skin Corr. 1B-Eye Dam. 1-Skin Sens. 1A;H302-H314-H317,-	oral: ATE = 1608 mg/kg bw

Substances with Community workplace exposure limits:

Name	CAS	EC	REACH Registration No.	%	Classification for (CLP) 1272/2008	Specific Conc. Limits, M-factors and ATEs
Citral	5392-40-5, 141-27-5, 106-26-3	226-394-6, 205-476-5, 203-379-2	01-2119462829-23-XXXX	0.1-<1%	Skin Irrit. 2-Eye Irrit. 2- Skin Sens. 1;H315-H317-H319,-	
Limonene	5989-27-5, 138-86-3, 5989-54-8	205-341-0, 227-813-5, 227-815-6	Exempt < 1 Tonne/pa or natural source	10-<20%	-;-,-	

Substances that are endocrine disruptors according to Regulation (EU) 2017/2100 or Regulation (EU) 2018/605, greater than 0.1%:

Not Applicable

Substances that are persistent, bioaccumulative and toxic or very persistent and very bioaccumulative, greater than 0.1%:

Not Applicable

Section 4. First-aid measures

4.1 Description of first aid measures

Inhalation: Remove from exposure site to fresh air, keep at rest, and obtain medical attention.

Eye exposure: Flush immediately with water for at least 15 minutes. Contact physician if symptoms persist.

Skin exposure: IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.

Ingestion: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

4.2 Most important symptoms and effects, both acute and delayed

Harmful if swallowed.

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May be fatal if swallowed and enters airways.
Causes skin irritation.
May cause an allergic skin reaction.

4.3 Indication of any immediate medical attention and special treatment needed

None expected, see Section 4.1 for further information.

Section 5: Firefighting measures

5.1 Extinguishing media

Suitable media: Carbon dioxide, Dry chemical, Foam.

5.2 Special hazards arising from the substance or mixture

In case of fire, may be liberated: Carbon monoxide, Unidentified organic compounds.

5.3 Advice for fire fighters:

In case of insufficient ventilation, wear suitable respiratory equipment.

Section 6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

Avoid inhalation. Avoid contact with skin and eyes. See protective measures under Section 7 and 8.

6.2 Environmental precautions:

Keep away from drains, surface and ground water, and soil.

6.3 Methods and material for containment and cleaning up:

Remove ignition sources. Provide adequate ventilation. Avoid excessive inhalation of vapours. Contain spillage immediately by use of sand or inert powder. Dispose of according to local regulations.

6.4 Reference to other sections:

Also refer to sections 8 and 13.

Section 7. Handling and storage

7.1 Precautions for safe handling:

Keep away from heat, sparks, open flames and hot surfaces. - No smoking.
Do not eat, drink or smoke when using this product.

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7.2 Conditions for safe storage, including any incompatibilities:

Store in a well-ventilated place. Keep container tightly closed. Keep cool. Ground/bond container and receiving equipment. Use explosion-proof electrical, ventilating and lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge.

7.3 Specific end use(s):

Fragrances: Use in accordance with good manufacturing and industrial hygiene practices.

Section 8. Exposure controls/personal protection

8.1 Control parameters

Workplace exposure limits:

Ingredient	CAS	EC	Description	Value
Citral	5392-40-5, 141-27-5, 106-26-3	226-394-6, 205-476-5, 203-379-2	Polish NDS mgm3	27 mg/m³
			Polish NDSCh mgm3	54 mg/m³
Limonene	5989-27-5, 138-86-3, 5989-54-8	205-341-0, 227-813-5, 227-815-6	German OEL Short term mgm3	112 mg/m³
			German OEL Long term ppm	5 ppm
			German OEL Long term mgm3	28 mg/m³

8.2 Exposure

Controls Eye / Skin

Protection

Wear protective gloves/eye protection/face protection

Respiratory Protection

Ensure adequate and ongoing ventilation is maintained in order to prevent build up of excessive vapour and to ensure occupational exposure limits are adhered to. If appropriate, and depending on your patterns and volumes of use, the following engineering controls may be required as additional protective measures: a) Isolate mixing rooms and other areas where this material is used or openly handled. Maintain these areas under negative air pressure relative to the rest of the plant. b) Employ the use of Personal protective equipment - an approved, properly fitted respirator with organic vapour cartridges or canisters and particulate filters. c) Use local exhaust ventilation around open tanks and other open sources of potential exposures in order to avoid excessive inhalation, including places where this material is openly weighed or measured. In addition, use general dilution ventilation of the work area to eliminate or reduce possible worker exposures. d) Use closed systems for transferring and processing this material.

Also refer to Sections 2 and 7.

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Section 9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical State/Colour:	COLOURLESS TO PALE YELLOW LIQUID
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 Not determined
Lower and upper explosion limit:	
Flash point (CC):	58 °C
Auto-ignition temperature:	Not determined
Decomposition temperature:	Not relevant
pH:	Not determined
Kinematic viscosity:	Not determined
Solubility:	Not determined
Partition coefficient: n-octanol/water (log value):	Not determined
Vapour pressure (calculated mmHg):	0.72059716 mmHg
Density and/or relative density:	1.0280 - 1.0480
Relative vapour density:	Not determined
Particle characteristics:	Not determined

9.2 **Other information:** None available

Section 10. Stability and reactivity

10.1 Reactivity:
Presents no significant reactivity hazard, by itself or in contact with water.

10.2 Chemical stability:
Good stability under normal storage conditions.

10.3 Possibility of hazardous reactions:
Not expected under normal conditions of use.

10.4 Conditions to avoid:

Avoid extreme heat.

10.5 Incompatible materials:

Avoid contact with strong acids, alkalis or oxidising agents.

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10.6 Hazardous decomposition products:

Not expected.

Section 11. Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

This mixture has not been tested as a whole for health effects. The health effects have been calculated using the methods outlined in Regulation (EC) No 1272/2008 (CLP).

Acute Toxicity:	Acute Toxicity - Oral Category 4 1882
Acute Toxicity Oral	
Acute Toxicity Dermal	>5000
Acute Toxicity Inhalation	Not Available
Skin corrosion/irritation: Serious eye damage/irritation:	Skin Corrosion / Irritation Category 2
Respiratory or skin sensitisation:	Based on available data the classification criteria are not met. Sensitization - Skin Category 1
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:	Aspiration Hazard Category 1

Information about hazardous ingredients in the mixture

Ingredient	CAS	EC	LD50/ATE Oral	LD50/ATE Dermal	LC50/ATE Inhalation	LC50 Route
4-carvomenthenol natural	562-74-3	209-235-5	1300	2500	3	Vapour mg/l
Benzyl Benzoate	120-51-4	204-402-9	1160	Not available	Not available	Not available

Refer to Sections 2 and 3 for additional information.

11.2 Information on other hazards

Not Applicable

Section 12. Ecological information

12.1 Toxicity:

Very toxic to aquatic life.

Toxic to aquatic life with long lasting effects.

Not available

12.2 Persistence and degradability:

12.3 **Bioaccumulative potential:** Not available

12.4 **Mobility in soil:** Not available

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12.5 Results of PBT and vPvB assessment:

This substance does not meet the PBT/vPvB criteria of REACH, annex XIII.

12.6 **Endocrine disrupting properties:** Not Applicable

12.7 **Other adverse effects:** Not available

Section 13. Disposal considerations

13.1 Waste treatment methods:

Dispose of in accordance with local regulations. Avoid disposing into drainage systems and into the environment. Empty containers should be taken to an approved waste handling site for recycling or disposal.

Section 14. Transport information

	14.1 UN number:	14.2 UN Proper Shipping Name:	14.3 Transport hazard class (es):	Sub Risk:	14.4 Packing Group:
UN Model Regulations	UN1197	EXTRACTS, LIQUID	3	-	III
IMDG	UN1197	EXTRACTS, LIQUID (Benzyl Benzoate) MARINE POLLUTANT	3	-	III
ADR,RID,ADN	UN1197	EXTRACTS, LIQUID	3	-	III
ICAO TI	UN1197	EXTRACTS, LIQUID	3	-	III

14.5 **Environmental hazards:** This is classified as an environmentally hazardous substance under the UN Model Regulations. This is classified as a Marine Pollutant under the IMDG Code.

14.6 **Special precautions for user:** None additional

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:

Not applicable

Section 15. Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Water Hazard Class (WGK): 3

Volatile Organic Compounds content: 26.354%

VOC Switzerland (positive list) content: 19.360%

Hydrocarbon Concentration %: 23.6040%

15.2 Chemical Safety Assessment

A Chemical Safety Assessment has not been carried out for this product.

Section 16. Other information

Concentration % Limits: SCI 2=43.56% SS 1=5.18% AH 1=42.37% EH A1=31.02% EH C2=27.64% EH C3=2.71% EH C4=30.56% EDI 2A=76.57%

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Total Fractional Values: SCI 2=2.30 SS 1=19.29 AH 1=2.36 EH A1=3.22 EH C2=3.62 EH C3=36.96 EH C4=3.27 EDI 2A=1.31

Key to revisions:

Not applicable

Key to abbreviations:

Abbreviation	Meaning
Acute Tox. 3	Acute Toxicity - Inhalation Category 3
Acute Tox. 4	Acute Toxicity - Oral Category 4
Aquatic Acute 1	Hazardous to the Aquatic Environment - Acute Hazard Category 1
Aquatic Chronic 1	Hazardous to the Aquatic Environment - Long-term Hazard Category 1
Aquatic Chronic 2	Hazardous to the Aquatic Environment - Long-term Hazard Category 2
Aquatic Chronic 3	Hazardous to the Aquatic Environment - Long-term Hazard Category 3
Asp. Tox 1	Aspiration Hazard Category 1
Eye Dam. 1	Eye Damage / Irritation Category 1
Eye Irrit. 2	Eye Damage / Irritation Category 2
Flam. Liq. 3	Flammable Liquid, Hazard Category 3
H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H314	Causes severe skin burns and eye damage.
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.
H336	May cause drowsiness or dizziness.
H361	Suspected of damaging fertility or the unborn child (exposure route).
H373	May cause damage to organs (organs) through prolonged or repeated exposure (exposure route).
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.
P202	Do not handle until all safety precautions have been read and understood.
P210	Keep away from heat, sparks, open flames and hot surfaces. - No smoking.
P233	Keep container tightly closed.
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical, ventilating and lighting equipment.
P242	Use only non-sparking tools.

P243	Take precautionary measures against static discharge.
P260	Do not breathe vapour or dust.

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P261	Avoid breathing vapour or dust.
P264	Wash hands and other contacted skin thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P271	Use only outdoors or in a well-ventilated area.
P272	Contaminated work clothing should not be allowed out of the workplace.
P273	Avoid release to the environment.
P280	Wear protective gloves/eye protection/face protection.
P301/310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P301/312	IF SWALLOWED: call a POISON CENTER or doctor/physician if you feel unwell.
P301/330/331	If swallowed: Rinse mouth. Do not induce vomiting.
P302/352	IF ON SKIN: Wash with plenty of soap and water.
P303/361/353	IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.
P304/340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305/351/338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308/313	IF exposed or concerned: Get medical advice/attention.
P310	Immediately call a POISON CENTER or doctor/physician.
P311	Call a POISON CENTRE or doctor/physician.
P330	Rinse mouth.
P331	Do not induce vomiting.
P332/313	If skin irritation occurs: Get medical advice/attention.
P333/313	If skin irritation or rash occurs: Get medical advice/attention.
P337/313	If eye irritation persists: Get medical advice/attention.
P362	Take off contaminated clothing and wash before reuse.
P363	Wash contaminated clothing before reuse.
P370/378	In case of fire: Use carbon dioxide, dry chemical, foam for extinction.
P391	Collect spillage.
P403/233/235	Store in a well-ventilated place. Keep container tightly closed. Keep cool.
P403/235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.
P501	Dispose of contents/container to approved disposal site, in accordance with local regulations.
Repr. 2	Toxic to Reproduction Category 2
STOT RE 2	Specific Target Organ Toxicity (Repeated Exposure) Category 2
STOT SE 3	Specific Target Organ Toxicity (Single Exposure) Category 3
Skin Corr. 1B	Skin Corrosion / Irritation Category 1B
Skin Irrit. 2	Skin Corrosion / Irritation Category 2
Skin Sens. 1	Sensitization - Skin Category 1
Skin Sens. 1A	Sensitization - Skin Category 1A
Skin Sens. 1B	Sensitization - Skin Category 1B

The information in this safety data sheet is to the best of our knowledge true and accurate but all data, instructions, recommendations and/or suggestions are made without guarantee.