

Safety Data Sheet

Revision Date: 13/10/2021

SECTION 1: Identification of the mixture and of the company

1.1. Product Identifier

Trade code: PN804036
 Trade name: LEMON LIME PN983.062
 UFI: None

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

Concentrated fragrance for manufacturing purposes only.
 Not for personal use in this form or concentration.

1.3. Details of the supplier of the safety data sheet

CPL Aromas Ltd
 Innovation House
 97 London Road
 Bishop's Stortford CM23 3GW
 +44 (0) 1279 502 300
 sds@cplaromas.com

1.4. Emergency telephone number

+44 (0)1279 502300 (8:30am - 5pm, UK)

SECTION 2: Hazards Identification

2.1. Classification of the substance or mixture

Classification of the substance or mixture according to EC 1272/2008

Flammable Liquid, category 3	H226	Flammable liquid and vapour.
Aspiration Hazard, category 1	H304	May be fatal if swallowed and enters airways.
Skin Irritation, category 2	H315	Causes skin irritation.
Skin Sensitizer, category 1	H317	May cause an allergic skin reaction.
Eye Irritation, category 2	H319	Causes serious eye irritation.
Hazardous to the aquatic environment, Acute, category 1	H400	Very toxic to aquatic life.
Hazardous to the aquatic environment, Chronic, category 1	H410	Very toxic to aquatic life with long lasting effects.

2.2. Label elements

Label elements according to EC 1272/2008

Signal Word: Danger

Pictograms:



Hazard Statements:

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.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

Precautionary Statements:

P210	Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P240	Ground/bond container and receiving equipment.
P272	Contaminated work clothing should not be allowed out of the workplace.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P331	Do NOT induce vomiting.

Hazardous components which must be listed on the label:

5989-27-5	(R)-p-Mentha-1,8-diene
586-62-9	4-Isopropylidene-1-methylcyclohexene
5392-40-5	3,7-Dimethylocta-2,6-dienal
105-87-3	3,7-Dimethylocta-2,6-dien-1-yl acetate

2.3. Other hazards

None reasonably foreseeable

SECTION 3: Composition/information on ingredients**Description of the mixture:**

A multi-component mixture of natural and/or synthetic aroma materials.

Conc. %	Description	CAS	EINECS	EDC	M-Factor	Classification EC 1907/2006
25-50	(R)-p-Mentha-1,8-diene	5989-27-5	227-813-5		1	H226, H304, H315, H317, H400, H410
25-50	4-Isopropylidene-1-methylcyclohexene	586-62-9	209-578-0		1	H304, H317, H400, H410
10-25	2-(4-Methylcyclohex-3-en-1-yl)propan-2-ol	98-55-5	202-680-6		1	H315, H319
2.5-10	2,6-Dimethyloct-7-en-2-ol	18479-58-8	242-362-4		1	H315, H319
2.5-10	3,7-Dimethylocta-2,6-dienal	5392-40-5	226-394-6		1	H315, H317, H319
1.0-2.5	2-(4-Methylcyclohex-3-en-1-yl)propan-2-ol Natural	8000-41-7	232-268-1		1	H315, H319
1.0-2.5	1-Methyl-1-(4-methylcyclohex-3-en-1-yl)ethyl acetate	8007-35-0	232-357-5		1	H411
1.0-2.5	3,7-Dimethylocta-2,6-dien-1-yl acetate	105-87-3	203-341-5		1	H315, H317, H412
1.0-2.5	7-Methyl-3-methyleneocta-1,6-diene	123-35-3	204-622-5		1	H226, H304, H315, H317, H319, H400, H411
< 1.0	3,7-Dimethylocta-2,6-dien-1-ol	106-24-1	203-377-1		1	H317, H318
< 1.0	1-(3-Methoxypropoxy)propan-1-ol	34590-94-8	252-104-2		1	
< 1.0	1-Isopropyl-4-methylcyclohexa-1,4-diene	99-85-4	202-794-6		1	H226, H304, H361
< 1.0	2E-3,7-Dimethylocta-2,6-dien-1-ol	106-25-2	203-378-7		1	H315, H317, H319
< 1.0	3,7-Dimethylocta-1,6-dien-3-ol	78-70-6	201-134-4		1	H315, H317, H319
< 1.0	Octanal	124-13-0	204-683-8		1	H226, H315, H319, H411
< 1.0	3,7-Dimethyloct-6-en-1-ol	106-22-9	203-375-0		1	H315, H317, H319
< 1.0	1-Isopropyl-4-methylbenzene	99-87-6	202-796-7		1	H226, H304, H361, H411
< 0.1	2,6,6-Trimethylbicyclo[3.1.1]hept-2-ene	80-56-8	201-291-9		1	H226, H304, H315, H317, H400, H410
< 0.1	6,6-Dimethyl-2-methylenebicyclo[3.1.1] heptane	127-91-3	204-872-5		1	H226, H304, H315, H317, H400, H410
< 0.01	Toluene impurity	108-88-3	203-625-9		1	H225, H304, H315, H336, H361, H373

SECTION 4: First aid measures**4.1. Description of first aid measures****Contact with skin:**

Remove all contaminated clothing.
Wash with plenty of water and soap.

Contact with eyes:

Flush immediately with water for at least 10 minutes.
Contact physician if symptoms persist.

Swallowing:

Rinse mouth with water.
In severe cases seek medical attention and show the safety data sheet.

Inhalation:

No damage to health is expected.

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

See Section 2.1

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

See Section 4.1

SECTION 5: Firefighting Measures

5.1. Extinguishing media

Recommended extinguishers:

Carbon dioxide, foam or powder-fire extinguisher.

Extinguishers not to be used:

DO NOT USE WATER EXTINGUISHERS.

5.2. Special hazards arising from the substance or mixture

Risks arising from combustion:

Avoid inhaling the fumes.

5.3. Advice for firefighters

Protective Equipment:

Use protection for the respiratory tract.

Additional Information:

Contaminated fire extinguishing water must be collected separately; it must not enter sewerage system.

SECTION 6: Accidental Release Measures

6.1. Personal precautions, protective equipment and emergency procedures

Avoid inhalation and contact with skin and eyes.

Use personal protective equipment.

6.2. Environmental hazards

Inform fire brigade of large spillages.

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

Spillages should be contained immediately by use of sand or inert powder and disposed of according to local regulations.

6.3. Methods and material for containment and cleaning up

Rapidly recover the product. To do so, wear a mask and protective clothing. If possible, collect product for re-use or disposal. Do not allow the material to enter drainage systems.

6.4. Reference to other sections

See section 8

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Apply good manufacturing and industrial hygiene practices and adequate ventilation.

Do not eat, drink or smoke while handling.

Respect good personal hygiene.

7.2. Conditions for safe storage, including any incompatibilities**Storage Conditions:**

Store in well filled and tightly closed original containers, and protect from heat and light.
Avoid certain plastic and uncoated metal containers.

Instructions as regards storage premises:

Store in a cool, dry and ventilated area. Keep away from sources of ignition and naked flames.

Incompatible Materials:

None known that present a hazard.

7.3. Specific end use(s)

Perfumed product for professional or consumer use

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****Materials with occupational exposure standards:**

	WEL-STEL mg/m ³	WEL-STEL ppm	WEL-TWA mg/m ³	WEL-TWA ppm
1-(3-Methoxypropoxy)propan-1-ol			308	50
2,6,6-Trimethylbicyclo[3.1.1]hept-2-ene	300	50	140	25
6,6-Dimethyl-2-methylenebicyclo[3.1.1]heptane	300	50	140	25
Toluene impurity	384	100	191	50

8.2. Exposure controls**Precautionary Measures:**

Give adequate ventilation to the premises where the product is stored and/or handled.

Protection for respiratory tract:

Not needed for normal use.

Protection for hands:

Avoid contact. Use chemically resistant gloves as needed, e.g. butyl rubber or nitrile rubber protective index 6

Protection for eyes:

Avoid contact. Wear safety glasses

Protection for skin:

Avoid contact. Use suitable protective clothing as needed.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Aspect	Clear
Colour	Colourless
State	Liquid
Odour	Characteristic
pH	Non aqueous mixture, not determined
Melting Point	Not applicable
Initial boiling point and boiling point range	Not applicable
Flash Point (°C)	49
Evaporation Rate	Not determined
Vapour Pressure	Not determined
Vapour Density	Not determined
Relative Density	0.87
Solubility in Water	No
Partition Co-efficient : n-octanol /water	Not determined
Autoignition temperature	Not determined
Decomposition temperature	Not determined
Viscosity	Not determined
Explosive properties	Not applicable
Oxidising properties	Not applicable

9.2. Other information

SECTION 10: Stability and Reactivity**10.1. Reactivity**

Substances to avoid: None in particular.

10.2. Chemical stability

Stable under normal conditions

10.3. Possibility of hazardous reactions

None known

10.4. Conditions to avoid

Stable under normal conditions.

10.5. Incompatible materials

None expected

10.6. Hazardous decomposition products

Carbon monoxide and unidentified organic compounds may be formed during combustion.

SECTION 11: Toxicological Information

This preparation has not been subject to toxicological testing as an entity; therefore no specific LD50/LC50 values have been determined. The toxicological information available relating to the ingredients and their concentrations enables the evaluation of this preparation. For further information see sections 2, 15 & 16.

11.1. Information on toxicological effects

ATE Dermal: >5000

ATE Oral: >5000

ATE Vapour: >20

SECTION 12: Ecological Information**12.1. Ecotoxicity**

This preparation has not been subject to ecological testing as an entity; therefore no specific data has been generated. The ecological information available relating to the ingredients and their concentrations enables the evaluation of this preparation. For further information see sections 2, 15 & 16. Avoid contaminating the earth as well as surface and ground water.

12.2. Persistence and degradability

Not determined

12.3. Bioaccumulative potential

Not determined

12.4. Mobility in soil

Not determined

12.5. Results of PBT and vPvB assessment

None present

12.6. Other adverse effects

None known

SECTION 13: Disposal Considerations**13.1. Waste treatment methods**

The product should be disposed of in accordance to local regulations.
Avoid disposing into drainage systems and into the environment.
The soiled packaging should be disposed of in the same way as the product.

SECTION 14: Transport Information

ADR-UN Number	1993
ADR-Class	3
ADR-Shipping Name	Flammable liquid, n.o.s. (Contains: (R)-p-mentha-1,8-diene)
ADR-Packing Group	III
ADR-Tunnel Code	D/E
IATA-UN Number	1993
IATA-Class	3
IATA-Shipping Name	Flammable liquid, n.o.s. (Contains: (R)-p-mentha-1,8-diene)
IATA-Label	Flammable Liquids
IATA-Packing Group	III
IATA-S.P.	None
IATA-ERG	3L
IMDG-Marine Pollutant	Marine Pollutant
IMDG-UN Number	1993
IMDG-Class	3
IMDG-Shipping Name	Flammable liquid, n.o.s. (Contains: (R)-p-mentha-1,8-diene)
IMDG-Packing Group	III
IMDG-Storage Category	A

SECTION 15: Regulatory information**15.1. General Information**

For classification and labelling information see section 2. The classification of this mixture is in accordance with EC 1272/2008 as amended

15.2. Chemical safety assessment

No chemical safety assessment has been carried out for this mixture

SECTION 16: Other Information

16.1. Classification Contribution Values

H304:	6.571	H305:	0.000				
H314-1A:	0.000	H314-1B:	0.000	H314-1C:	0.000		
H315:	6.994	H316:	0.000				
H317:	39.454	H317-1A:	0.000	H317-1B:	0.000		
H318:	0.000	H319:	2.941				
H334-1A:	0.000	H334-1B:	0.000				
H335:	0.000	H336:	0.000				
H340-1A:	0.000	H340-1B:	0.000	H341:	0.000		
H350-1A:	0.000	H350-1B:	0.000	H351:	0.000		
H360-1A:	0.000	H360-1B:	0.000	H361:	0.000	H362:	0.000
H370:	0.000	H371:	0.000	H372:	0.000	H373:	0.000
H400:	2.653	H410:	2.612	H411:	26.222	H412:	262.261
H413:	2.736	H420:	0.000				

16.2. Full list of Hazard and Precautionary 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.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
P210	Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P233	Keep container tightly closed.
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical/ventilating/lighting/tools/equipment.
P272	Contaminated work clothing should not be allowed out of the workplace.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P302+P352	IF ON SKIN: Wash with plenty of soap and water.
P303+P361+P353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P331	Do NOT induce vomiting.
P332+P313	If skin irritation occurs: Get medical advice/attention.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P337+P313	If eye irritation persists: Get medical advice/attention.
P362	Take off contaminated clothing and wash before reuse.
P363	Wash contaminated clothing before reuse.
P391	Collect spillage.
P403+P235	Store in a well-ventilated place. Keep cool.
P501	Dispose of contents/container according to local regulations.

The information in this data sheet is to the best of our knowledge true and accurate, but all data, instructions and/or suggestions are made without guarantee. These statements are solely for the above-mentioned product and should help to take adequate safety precautions. This "Safety Data Sheet" replaces all previous ones.

Revision Date: 13/10/2021
Supersedes Date: None
Change to Sections: No information