

Lemongrass & Ginger diffuser

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

1.1 - Product identifier

Trade name/designation Lemongrass & Ginger diffuser

Chemical name

Product-type Mixture

Product code FGR51108

UFI: HVHJ-G4ED-D00R-5K3E

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

Relevant identified uses

- AIR FRESHENERS NON AEROSOL
(Timed-release aerosols, perfume in/on solid substrate (gel), candles, diffusers (heated) for consumer use

1.3 - Details of the supplier of the safety data sheet

Oberg Associates Ltd T/A Max Benjamin

Glenstock, Enniskerry,

A98 VX34 Co Wicklow Ireland

Telephone : 353-1-286-3647

SDS CONTACT: info@maxbenjamin.ie

1.4 - Emergency telephone number

- National Poisons Information Centre. Tel.: +353 (0)1 809 2566 Ireland

SECTION 2: Hazards identification

2.1 - Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP]

Skin Irrit. 2	Irritation, Category 2
Eye Irrit. 2	Eye irritation - Category 2
Skin Sens. 1	Skin sensitization - Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment - Aquatic Chronic 2

2.2 - Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Contains: Citral (CAS No.: 5392-40-5) | (R)-p-mentha-1,8-diene, d-limonene (CAS No.: 5989-27-5) | Linalool (CAS No.: 78-70-6) | 3,7-dimethylnona-1,6-dien-3-ol (CAS No.: 10339-55-6) | Cymbopogon flexuosus, ext. (CAS No.: 91844-92-7)

Signal word : Warning

Hazard pictograms



Hazard statements

H315	Causes skin irritation
H317	May cause an allergic skin reaction

Lemongrass & Ginger diffuser

H319	Causes serious eye irritation
H411	Toxic to aquatic life with long lasting effects
Precautionary statements	

P102	Keep out of reach of children.
P264	Wash hands thoroughly after handling.
P273	Avoid release to the environment.
P302+P352	IF ON SKIN: Wash with plenty of water and soap.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P501	Dispose of contents in an approved treatment center in accordance with national regulation.

EUH-phrases : None

2.3 - Other hazards

PBT-substance. - The substances of this mixture does not meet the PBT / vPvB criteria of REACH Annex XIII

SECTION 3: Composition / information on ingredients

3.1 - Substances

Not applicable

3.2 - Mixtures

Chemical name	No	%	Class(es)	Specific concentration limit
Dipropylene glycol monoethyl ether	CAS No. : 34590-94-8 Index No. : EC No. : 252-104-2 REACH No. : 01-2119450011-60-0000	70 - 80	Not Classified	Not applicable
2,2-dimethyl-1,3-dioxolan-4-yl methanol	CAS No. : 100-79-8 Index No. : EC No. : 202-888-7	5 - 9	Eye Irrit. 2 - H319	Not applicable
Citral	CAS No. : 5392-40-5 Index No. : EC No. : 226-394-6	1 - 5	Eye Irrit. 2 - H319 Skin Irrit. 2 - H315 Skin Sens. 1B - H317	Not applicable
(R)-p-mentha-1,8-diene, d-limonene	CAS No. : 5989-27-5 Index No. : 601-029-00-7 EC No. : 227-813-5	1 - 3	Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410 Flam. Liq. 3 - H226 Skin Irrit. 2 - H315 Skin Sens. 1 - H317	Not applicable
Linalool	CAS No. : 78-70-6 Index No. : EC No. : 201-134-4 REACH No. : 01-2119474016-42-XXXX	1 - 2	Eye Irrit. 2 - H319 Skin Irrit. 2 - H315 Skin Sens. 1B - H317	Not applicable
3,7-dimethylnona-1,6-dien-3-ol	CAS No. : 10339-55-6 Index No. : EC No. : 233-732-6	1 - 3	Eye Irrit. 2 - H319 Skin Irrit. 2 - H315 Skin Sens. 1B - H317	Not applicable
2,6-dimethyloct-7-en-2-ol	CAS No. : 18479-58-8 Index No. : EC No. : 242-362-4 REACH No. : 01-2119457274-37-XXXX	1 - 2	Eye Irrit. 2 - H319 Skin Irrit. 2 - H315	Not applicable

Lemongrass & Ginger diffuser

Chemical name	No	%	Class(es)	Specific concentration limit
Cymbopogon flexuosus, ext.	CAS No. : 91844-92-7 Index No. : EC No. : 295-161-9	1 - 2	Aquatic Chronic 2 - H411 Asp. Tox. 1 - H304 Eye Dam. 1 - H318 Skin Irrit. 2 - H315 Skin Sens. 1B - H317	Not applicable
GERANIOL	CAS No. : 106-24-1 Index No. : EC No. : 203-377-1	0,5 - < 1	Eye Dam. 1 - H318 Skin Irrit. 2 - H315 Skin Sens. 1 - H317	Not applicable
eugenol	CAS No. : 97-53-0 Index No. : EC No. : 202-589-1	0,5 - < 1	Eye Irrit. 2 - H319 Skin Sens. 1B - H317	Not applicable
3,7-dimethyloctan-3-ol	CAS No. : 78-69-3 Index No. : EC No. : 201-133-9	0,5 - < 1	Eye Irrit. 2 - H319 Skin Irrit. 2 - H315 Skin Sens. 1B - H317	Not applicable
citronellal	CAS No. : 106-23-0 Index No. : EC No. : 203-376-6	0,5 - < 1	Eye Irrit. 2 - H319 Skin Irrit. 2 - H315 Skin Sens. 1B - H317	Not applicable
2,6-di-tert-butyl-p-cresol	CAS No. : 128-37-0 Index No. : EC No. : 204-881-4 REACH No. : 01-2119480433-46-xxxx	0,5 - < 1	Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410	Not applicable
Geranyl acetate	CAS No. : 105-87-3 Index No. : EC No. : 203-341-5	0,1 - 0,5	Aquatic Chronic 3 - H412 Skin Irrit. 2 - H315 Skin Sens. 1 - H317	Not applicable
Cinnamaldehyde	CAS No. : 104-55-2 Index No. : EC No. : 203-213-9	0,1 - 0,5	Acute Tox. 4 Dermal - H312 Eye Irrit. 2 - H319 Skin Irrit. 2 - H315 Skin Sens. 1 - H317	Not applicable

SECTION 4: First aid measures

4.1 - Description of first aid measures

Following inhalation	- No special measures are necessary.
Following skin contact	- After contact with skin, wash immediately with plenty of water and soap. - In case of skin reactions, consult a physician.
After eye contact	- Rinse immediately carefully and thoroughly with eye-bath or water.
After ingestion	- Rinse mouth thoroughly with water.

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

Symptoms and effects - Following inhalation	- No information available.
Symptoms and effects - Following skin contact	- May cause sensitisation especially in sensitive humans.
Symptoms and effects - After eye contact	- No information available.
Symptoms and effects - After ingestion	- No information available.

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

- Treat symptomatically.

SECTION 5: Firefighting measures

5.1 - Extinguishing media

Lemongrass & Ginger diffuser

Suitable extinguishing media

- Carbon dioxide (CO₂)
- Foam
- Extinguishing powder

Unsuitable extinguishing media

- High power water jet

5.2 - Special hazards arising from the substance or mixture

Special hazards arising from the substance or mixture

- This material is combustible, but will not ignite readily.

Hazardous decomposition products

- Carbon dioxide (CO₂)

5.3 - Advice for firefighters

- Wear protective gloves/protective clothing/eye protection/face protection.
- Use suitable breathing apparatus.

SECTION 6: Accidental release measures

6.1 - Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

- Wear suitable protective clothing and gloves.

For emergency responders

- See section 8.

6.2 - Environmental precautions

- Do not allow run-off from fire-fighting to enter drains or water courses.

6.3 - Methods and material for containment and cleaning up

Methods and material for containment

- No information available.

Methods and material for cleaning up

- Take up mechanically.

Inappropriate techniques

- No information available.

6.4 - Reference to other sections

- Disposal: see section 13
- Personal protection equipment: see section 8

SECTION 7: Handling and storage

7.1 - Precautions for safe handling

Recommendation

- Avoid: Skin contact
- Avoid: Eye contact

Advices on general occupational hygiene

- No information available.

7.2 - Conditions for safe storage, including any incompatibilities

- Remove all sources of ignition.
- Do not expose to temperatures exceeding 50 °C/122 °F.
- Recommended storage temperature
- + 15 ° C to + 25 ° C

7.3 - Specific end use(s)

Lemongrass & Ginger diffuser

SECTION 8: Exposure controls/personal protection

8.1 - Control parameters

Dipropylene glycol monoethyl ether (34590-94-8)	
IOELV STEL mg/m3 (UE)	308 mg/m3
IOELV STEL ppm (UE)	50 ppm
2,6-di-tert-butyl-p-cresol (128-37-0)	
IOELV TWA mg/m3 (UE)	10 mg/m3

DNEL / PNEC

Dipropylene glycol monoethyl ether (34590-94-8)			
Type	Value	User	Effect
DNEL long-term oral (repeated)	36 mg/kg bw/day	Consumers	Local
DNEL long-term inhalative	37,2 mg/m3	Consumers	Local
DNEL long-term dermal	121 mg/kg bw/day	Consumers	Local
PNEC aquatic, freshwater	19 mg/l		
PNEC aquatic, marine water	1,9 mg/l		
PNEC sediment, freshwater	70,2 mg/kg		
PNEC sediment, marine water	7,02 mg/kg		

8.2 - Exposure controls

Appropriate engineering controls - No information available.

Individual protection measures, such as personal protective equipment - Wear protective gloves.

SECTION 9: Physical and chemical properties

9.1 - Information on basic physical and chemical properties

Physical state	Liquid	Appearance	Liquid
Colour	translucent	Odour	perfumed
Odour threshold		No data available	
pH		No data available	
Melting point		No data available	
Freezing point		No data available	
Boiling point		No data available	
Flash point		No data available	
Evaporation rate		No data available	
flammability		No data available	
Lower explosion limit		not applicable	
Upper explosion limit		No data available	
Vapour pressure		No data available	
Vapour density		No data available	
Relative density		No data available	
Density		No data available	
Solubility (Water)		No data available	
Solubility (Ethanol)		No data available	
Solubility (Acetone)		No data available	

Lemongrass & Ginger diffuser

Solubility (Organic solvents)	No data available
Log KOC	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Kinematic viscosity	No data available
Dynamic viscosity	No data available

Particle characteristics

Particle size	No data available
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9.2 - Other information

VOC content	0 %
Minimum ignition energy	No data available
Conductivity	No data available

SECTION 10: Stability and reactivity

10.1 - Reactivity

- This material is considered to be non-reactive under normal use conditions.

10.2 - Chemical stability

- The product is chemically stable under recommended conditions of storage, use and temperature.
- Sensitive to heat

10.3 - Possibility of hazardous reactions

- No hazardous reaction when handled and stored according to provisions.

10.4 - Conditions to avoid

- Remove all sources of ignition.
- Heat

10.5 - Incompatible materials

- No information available.

10.6 - Hazardous decomposition products

- Does not decompose when used for intended uses.

SECTION 11: Toxicological information

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

Acute toxicity - Not classified

Toxicity : Mixture

LD50 oral (rat)	No data available
LD50 dermal (rat)	No data available
LD50 dermal (rabbit)	No data available
LC50 inhalation (rat)	No data available
LC50 inhalation dusts and mists (rat)	No data available

Lemongrass & Ginger diffuser

	LC50 inhalation vapours (rat)	No data available
	- Based on available data, the classification criteria are not met.	
<u>Skin corrosion/irritation</u>	- Irritation, Category 2 - Causes skin irritation	
<u>Serious eye damage/eye irritation</u>	- Eye irritation - Category 2 - Causes serious eye irritation	
<u>Respiratory or skin sensitisation</u>	- Skin sensitization - Category 1 - May cause an allergic skin reaction	
	- May cause an allergic skin reaction.	
<u>Germ cell mutagenicity</u>	- Not classified	
<u>Carcinogenicity</u>	- Not classified	
<u>Reproductive toxicity</u>	- Not classified	
<u>STOT-single exposure</u>	- Not classified	
<u>STOT-repeated exposure</u>	- Not classified	
<u>Aspiration hazard</u>	- Not classified	

11.2 - Information on other hazards

SECTION 12: Ecological information

12.1 - Toxicity

Toxicity : Mixture

EC50 48 hr crustacea	No data available
LC50 96 hr fish	No data available
ErC50 algae	No data available
ErC50 other aquatic plants	No data available
NOEC chronic fish	No data available
NOEC chronic crustacea	No data available
NOEC chronic algae	No data available
NOEC chronic other aquatic plants	No data available

- Toxic to aquatic life with long lasting effects.

12.2 - Persistence and degradability

Biochemical oxygen demand (BOD)	No data available
Chemical oxygen demand (COD)	No data available
% of biodegradation in 28 days	No data available

- No information available.

12.3 - Bioaccumulative potential

Bioconcentration factor (BCF)	No data available
Log KOC	No data available

- No indication of bioaccumulation potential.

12.4 - Mobility in soil

Lemongrass & Ginger diffuser

- No information available.

12.5 - Results of PBT and vPvB assessment

- The substances of this mixture does not meet the PBT / vPvB criteria of REACH Annex XIII

12.6 - Endocrine disrupting properties

12.7 - Other adverse effects

- No information available.

SECTION 13: Disposal considerations

13.1 - Waste treatment methods

Waste treatment methods	- Dispose of waste according to applicable legislation.
Sewage disposal	- Do not allow to enter into surface water or drains.
Special precautions for waste treatment	- Consult the appropriate local waste disposal expert about waste disposal.
Community or national or regional provisions	- No information available.

SECTION 14: Transport information

14.1 - UN number or ID number

UN number (ADR) : UN3082

14.2 - UN proper shipping name

UN proper shipping name (ADR) : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
((R)-p-mentha-1,8-diene, d-limonene)

14.3 - Transport hazard class(es)

ADR Transport hazard class(es) : 9

ADR Classification code: M6

Pictograms



A197 (375) These substances when transported in single or combination packaging containing a net quantity per single or inner packaging of 5 L or less for liquids or having a net mass of 5 kg or less for solids, are not subject to any other provisions of these Regulations provided the packaging meet the general provisions of 5.0.2.4.1, 5.0.2.6.1.1 and 5.0.2.8.

Our products are exempt from this ADR classification as they are individually all below the size and volume outlined above.

14.4 - Packing group

Packing group : III

14.5 - Environmental hazards

Environmental hazards : Yes.

Marine pollutant : Hazardous to the aquatic environment - Aquatic Chronic 2

14.6 - Special precautions for user

Lemongrass & Ginger diffuser

ADR

ADR Classification code:	:	M6
ADR Special provisions	:	274+335+375+601
ADR Limited quantity (LQ)	:	5L
ADR Excepted quantities	:	E1
ADR Packing instructions	:	P001 IBC03 LP01 R001
ADR Special packing provisions	:	PP1
ADR Mixed packing provisions	:	MP19
Instructions for portable tanks and bulk containers	:	T4
Special provisions for portable tanks and bulk containers	:	TP1 TP29
ADR tank code	:	LGBV
ADR tanks special provisions	:	
Vehicle for tank carriage	:	AT
ADR Transport category	:	3
ADR Tunnel restriction code	:	-
ADR Special provisions loading, unloading and handling	:	CV13
Special provisions - Packages	:	V12
Special provisions - Bulk	:	
Special provisions - Operation	:	
ADR Hazard identification number (Kemler No.)	:	90

14.7 - Maritime transport in bulk according to IMO instruments

SECTION 15: Regulatory information

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

Substances REACH candidates None

Substances Annex XIV None

Substances Annex XVII None

VOC content 0 %

15.2 - Chemical Safety Assessment

Chemical safety assessment carried out - Chemical safety assessment for this mixture were not carried out for the product

SECTION 16: Other information

SDS versions

Version	Issue date	Author	Description of the amendments
1	23/03/2022		

Texts of the regulatory sentences

Acute Tox. 4 Dermal	Acute toxicity (dermal) - Category 4
Aquatic Acute 1	Hazardous to the aquatic environment - Aquatic Acute 1
Aquatic Chronic 1	Hazardous to the aquatic environment - Aquatic Chronic 1
Aquatic Chronic 2	Hazardous to the aquatic environment - Aquatic Chronic 2

Lemongrass & Ginger diffuser

Aquatic Chronic 3	Hazardous to the aquatic environment - Aquatic Chronic 3
Asp. Tox. 1	Aspiration hazard - Category 1
Eye Dam. 1	Serious eye damage, Category 1
Eye Irrit. 2	Eye irritation - Category 2
Eye Irrit. 2A	Eye irritation - Category 2A
Flam. Liq. 3	Flammable liquid and vapour. - Category 3
H226	Flammable liquid and vapour
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation
H410	Very toxic to aquatic life with long lasting effects
H411	Toxic to aquatic life with long lasting effects
Not Classified	Not classified
Skin Irrit. 2	Irritation, Category 2
Skin Sens. 1	Skin sensitization - Category 1
Skin Sens. 1B	Skin sensitization - Category 1B

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