

SAFETY DATA SHEET

CLP: REACH Regulation (EU) 2020/878
Version 2 Revised 02/08/2022 12:56:32

Printed on 04 Jan 2023

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

1.1 Product Identifier

Product Name LEMONGRASS & GINGER FRAGRANCE
Code Number
Alternative Name
REACH Registration Number Not registered

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

Concentrated material for manufacturing purposes only

1.3 Details of the supplier of the safety data sheet

Randalls Candles Ltd.
Unit 14-16
Campbells Meadow Business
Park
Kings Lynn
Norfolk
PE30 4YR
Telephone Number 01945 880247
Email Address contact@randallscandles.co.uk

1.4 Emergency Telephone Number

07951140648

Section 2: Hazard Identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Skin. Irrit. 2; H315
Skin Sens. 1B; H317
Eye Irrit. 2; H319
Aquatic Chronic 2; H411

Refer to section 16 for the wording of listed classification and hazard statement codes

2.2 Label elements

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CLP: Labelling according to Regulation (EC) No 1272/2008

Hazard Pictograms



Signal Word Warning

Hazard Statements

- H315 Causes skin irritation
- H317 May cause an allergic skin reaction
- H319 Causes serious eye irritation
- H411 Toxic to aquatic life with long lasting effects

Precautionary Statements

- P273 Avoid release to the environment.
- P280 Wear protective gloves and eye protection
- P302+P352 IF ON SKIN: Wash with plenty of water.
- P333+P313 If skin irritation or rash occurs: Get medical advice.
- P337+P313 If eye irritation persists: Get medical attention.
- P501 Dispose of contents/container to approved disposal site, in accordance with local regulations.

2.3 Other Hazards

Contains Citral, Geraniol, Limonene and Linalool which may produce an allergic reaction

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

No further information available at this time

Section 3: Composition / information on ingredients

Any percentage values listed here for hazardous components are for illustrative purposes only

3.2 Mixtures

Complex mixture of fragrance ingredients

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Hazardous components

ID Numbers	Chemical Name, Classification and Hazards	Conc. (%)	SCL / ATE / M-Factor
CAS 5392-40-5 EINECS 226-394-6 REACH	Citral Skin. Irrit. 2;H315,Skin Sens. 1;H317,Eye Irrit. 2;H319	>=10%,<25%	
CAS 79-92-5 EINECS 201-234-8 REACH	Camphene Flam. Sol. 2;H228,Eye Irrit. 2;H319,Aquatic Acute 1;H400,Aquatic Chronic 1;H410	>=1%,<3%	
CAS 125-12-2 EINECS 204-727-6 REACH	Isobornyl acetate Aquatic Chronic 2;H411	>=1%,<3%	
CAS 78-70-6 EINECS 201-134-4 REACH	Coriandrol (Linalool) (3,7-Dimethyl-1,6-octadien-3-ol) Skin. Irrit. 2;H315,Eye Irrit. 2;H319	>=1%,<3%	
CAS 106-23-0 EINECS 203-376-6 REACH	Citronellal (3,7-Dimethyl-6-octen-1-al) Skin. Irrit. 2;H315,Skin Sens. 1;H317,Eye Irrit. 2;H319	>=1%,<3%	
CAS 586-62-9 EINECS 209-578-0 REACH	Terpinolene (para-Mentha-1,4(8)-diene) Asp. Tox. 1;H304,Skin Sens. 1B;H317,Aquatic Acute 1;H400,Aquatic Chronic 1;H410	>=1%,<3%	
CAS 5989-27-5 EINECS 227-813-5 REACH	d-Limonene (p-Mentha-1,8-diene) Flam. Liq. 3;H226,Asp. Tox. 1;H304,Skin. Irrit. 2;H315,Skin Sens. 1B;H317,Aquatic Acute 1;H400,Aquatic Chronic 1;H410	>=1%,<3%	
CAS 106-24-1 EINECS 203-377-1 REACH	Geraniol Skin. Irrit. 2;H315,Skin Sens. 1;H317,Eye Dam. 1;H318	>=1%,<3%	
CAS 138-86-3 EINECS 205-341-0 REACH	Dipentene (d,l-Limonene) (Marine Pollutant P) Flam. Liq. 3;H226,Asp. Tox. 1;H304,Skin. Irrit. 2;H315,Skin Sens. 1B;H317,Aquatic Acute 1;H400,Aquatic Chronic 1;H410	>=0.1%,<1%	
CAS 105-87-3 EINECS 203-341-5 REACH	Geranyl acetate Skin. Irrit. 2;H315,Skin Sens. 1;H317,Aquatic Chronic 3;H412	>=0.1%,<1%	
CAS 80-56-8 EINECS 201-291-9 REACH	Pinenes Flam. Liq. 3;H226,Asp. Tox. 1;H304,Skin. Irrit. 2;H315,Skin Sens. 1B;H317	>=0.1%,<1%	
CAS 470-82-6 EINECS 207-431-5 REACH	Cineols (Eucalyptol) Flam. Liq. 3;H226	0.9593	

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CAS 99-83-2 EINECS 202-792-5 REACH	alpha-Phellandrene Flam. Liq. 3;H226,Asp. Tox. 1;H304	0.3537	
CAS 112-31-2 EINECS 203-957-4 REACH	Decanal Eye Irrit. 2;H319	0.1253	
CAS 106-26-3 EINECS 203-379-2 REACH	Neral Skin. Irrit. 2;H315,Skin Sens. 1B;H317,Eye Irrit. 2;H319	0.0550	
CAS 141-27-5 EINECS 205-476-5 REACH	Geranial (3,7-Dimethyl-2,6-octadienal) Skin. Irrit. 2;H315,Skin Sens. 1B;H317,Eye Irrit. 2;H319	0.0550	
CAS 123-35-3 EINECS 204-622-5 REACH	beta-Myrcene Flam. Liq. 3;H226,Asp. Tox. 1;H304,Skin. Irrit. 2;H315,Eye Irrit. 2;H319	0.0420	
CAS 99-85-4 EINECS 202-794-6 REACH	gamma-Terpinene (p-Mentha-1,4-diene) Flam. Liq. 3;H226,Asp. Tox. 1;H304	0.0345	
CAS 99-87-6 EINECS 202-796-7 REACH	para-Cymene Flam. Liq. 3;H226,Asp. Tox. 1;H304,Aquatic Acute 2;H401,Aquatic Chronic 2;H411	0.0115	
CAS 124-13-0 EINECS 204-683-8 REACH	Octanal Flam. Liq. 3;H226,Skin. Irrit. 2;H315,Eye Irrit. 2A;H319,Aquatic Acute 2;H401,Aquatic Chronic 2;H411	0.0053	

Refer to section 16 for the wording of listed classification and hazard statement codes

Section 4: First Aid measures

Take phrases in section 2 into account

4.1 Description of first aid measures

After inhalation

Remove from the exposure area to fresh air. Contact a doctor if necessary.

After skin contact

Remove contaminated clothing. Wash thoroughly with soap and water. Seek medical advice if irritation persists or there is any sign of tissue damage.

After eye contact

Flush with plenty of water and seek medical advice if necessary.

After ingestion

Wash mouth with plenty of water and obtain medical advice immediately.

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4.2 Most important symptoms and effects, both acute and delayed

No further information available at this time

4.3 Indication of immediate medical attention and special treatment needed

No further information available at this time

Section 5: Fire-fighting measures

5.1 Extinguishing Media

Carbon dioxide, foam or dry powder.
DO NOT USE A DIRECT WATER JET.

5.2 Special hazards arising from the substance or mixture

May produce Carbon dioxide and unidentified organic compounds.

5.3 Advice for fire-fighters

Wear protective clothing and avoid inhalation of vapours. Keep containers cool with water spray

Section 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Remove all sources of ignition.
Avoid inhalation, skin and eye contact.
Ensure proper ventilation.

6.2 Environmental precautions

Do not discharge directly into drains or the soil. Keep away from surface and ground water

6.3 Methods and material for containment and cleaning up

Soak up spillage with sand or other inert absorbant material such as earth or vemiculite; transfer used material to a suitable waste container and dispose in accordance with regulations.

6.4 Reference to other sections

Refer to information in Sections 7, 8 and 13

Section 7: Handling and storage

7.1 Precautions for safe handling

Maintain good occupational and personal hygiene. Avoid inhalation and contact with skin and eyes.

7.2 Conditions for safe storage, including any incompatibilities

Store in tightly sealed original containers away from ignition sources and in a cool place.

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7.3 Specific end uses

No further information available

Section 8: Exposure controls / personal protection

8.1 Control Parameters

Occupational exposure limits:

UK / WEL

(Workplace exposure limits, EH40/2005, 2020)

CAS	Long-term (8hr TWA) mg/m3	Long-term (8hr TWA) ppm	Short-term (15min) mg/m3	Short-term (15min) ppm	Notes
84-66-2		5		10	

No information

8.2 Exposure controls

Engineering controls

No information

Individual protection measures

Refer to Section 5 for specific fire / chemical personal protective equipment advice.
Always wash routinely before breaks, meals and at the end of the work period.

Eye / face protection

Wear safety goggles.

Hand protection

Wear chemically resistant disposable gloves.

Other skin protection

Wear overalls. Always wash routinely before breaks, meals and at the end of the work period.

Respiratory protection

Not generally required. Use inhalation protection in poorly ventilated areas

Thermal hazards

No information

Environmental exposure controls

No information

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Section 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Flash Point (°C) Above 61
Physical state Liquid

9.2 Other information

Information with regard to physical hazard classes
No further information available
Other safety characteristics
No further information available

Section 10: Stability and reactivity

10.1 Reactivity

Not determined

10.2 Chemical Stability

Not determined

10.3 Possibility of hazardous reactions

Not determined

10.4 Conditions to avoid

Extreme temperatures

10.5 Incompatible materials

Highly reactive chemicals which may produce unknown reaction products and so cause additional hazards.

10.6 Hazardous decomposition products

Not determined

Section 11: Toxicological information

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

Acute toxicity

Aldehyde C-10 (Decanal) CAS: 112-31-2 LD50(oral): Not applicable LD50(dermal): Not applicable
LC50(inhalation): Not applicable

Bornan-2-one (Camphor)
(1,7,7-Trimethyl-bicyclo-heptan-2-one) LD50(oral): 1500 mg/kg LD50(dermal): Not applicable
LC50(inhalation): 1.5 mg/l

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L(XnR68)=10% (OEL 12.0 mg/m ³) CAS: 76-22-2	LD50(oral): 1500 mg/kg LD50(dermal): Not applicable LC50(inhalation): 1.5 mg/l
Borneol CAS: 507-70-0	LD50(oral): Not applicable LD50(dermal): Not applicable LC50(inhalation): Not applicable
Camphene (2,2-Dimethyl-3-methylenebicyclo[2.2.1]heptane) CAS: 79-92-5	LD50(oral): Not applicable LD50(dermal): Not applicable LC50(inhalation): Not applicable
1,4-Cineol (1-Methyl-4-(methylethyl)-7-oxabicyclo[2.2.1]heptane) CAS: 470-67-7	LD50(oral): Not applicable LD50(dermal): Not applicable LC50(inhalation): Not applicable
Citral (3,7-Dimethyl-2,6-octadienal) (Lemarome) (Neral/Geraniol) CAS: 5392-40-5	LD50(oral): Not applicable LD50(dermal): Not applicable LC50(inhalation): Not applicable
Citronellal (3,7-Dimethyl-6-octen-1-ol) CAS: 106-23-0	LD50(oral): Not applicable LD50(dermal): Not applicable LC50(inhalation): Not applicable
Coriandrol (Linalool) (3,7-Dimethyl-1,6-octadien-3-ol) CAS: 78-70-6	LD50(oral): Not applicable LD50(dermal): Not applicable LC50(inhalation): Not applicable
Diethyl phthalate (DEP) CAS: 84-66-2	LD50(oral): Not applicable LD50(dermal): Not applicable LC50(inhalation): Not applicable
Dipentene (d,l-Limonene) (Marine Pollutant P) CAS: 138-86-3	LD50(oral): Not applicable LD50(dermal): Not applicable LC50(inhalation): Not applicable
Ethyl heptanoate (Ethyl heptylate) (Ethyl oenanthatate) CAS: 106-30-9	LD50(oral): Not applicable LD50(dermal): Not applicable LC50(inhalation): Not applicable
Fenchyl alcohol CAS: 1632-73-1	LD50(oral): Not applicable LD50(dermal): Not applicable LC50(inhalation): Not applicable
Geraniol (3,7-Dimethyl-2,6-octadien-1-ol) CAS: 106-24-1	LD50(oral): Not applicable LD50(dermal): Not applicable LC50(inhalation): Not applicable
Geranyl acetate CAS: 105-87-3	LD50(oral): Not applicable LD50(dermal): Not applicable LC50(inhalation): Not applicable
Isobornyl acetate CAS: 125-12-2	LD50(oral): Not applicable LD50(dermal): Not applicable LC50(inhalation): Not applicable
alpha-Pinene (2,6,6-Trimethyl-bicyclo-[3.1.1]-hept-2-ene) CAS: 80-56-8	LD50(oral): Not applicable LD50(dermal): Not applicable LC50(inhalation): Not applicable

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alpha-Terpinene (see para-Mentha-1,3-diene) CAS: 99-86-5	LD50(oral): 1680 mg/kg LD50(dermal): Not applicable LC50(inhalation): Not applicable
Terpinolene (para-Mentha-1,4(8)-diene) CAS: 586-62-9	LD50(oral): Not applicable LD50(dermal): Not applicable LC50(inhalation): Not applicable
Citrus oil (Orange oil sweet, cold pressed) CAS: 8008-57-9	LD50(oral): Not applicable LD50(dermal): Not applicable LC50(inhalation): Not applicable
Eucalyptus globulus oil CAS: 8000-48-4	LD50(oral): Not applicable LD50(dermal): Not applicable LC50(inhalation): Not applicable
Ginger oil CAS: 8007-08-7	LD50(oral): Not applicable LD50(dermal): Not applicable LC50(inhalation): Not applicable

Skin corrosion / irritation

No data

Serious eye damage / irritation

No data

Respiratory or skin sensitisation

No data

Germ cell mutagenicity

No data

Carcinogenicity

No data

Reproductive toxicity

No data

Specific Target Organ - single exposure

No data

Specific Target Organ - repeated exposure

No data

Aspiration hazard

No data

Information on likely routes of exposure

No data

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Symptoms related to the physical, chemical and toxicological characteristics

No data

Delayed and immediate effects as well as chronic effects from short and long-term exposure

No data

Interactive effects

No data

11.2 Information on other hazards

Endocrine disrupting properties

No data

Other information

No data

Section 12: Ecological information

12.1 Toxicity

No data available. Avoid soil, surface water and water-bearing stratum contamination.

12.2 Persistence and degradability

No data

12.3 Bioaccumulative potential

No data

12.4 Mobility in soil

No data

12.5 Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

12.6 Endocrine disrupting properties

No data

12.7 Other adverse effects

No data available

12.8 Additional information

No data

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Section 13: Disposal considerations

Please refer to the information in section 8 (Exposure controls and personal protection)

13.1 Waste treatment methods

Dispose in accordance with the law and local regulations. Treat as trade effluent.

Section 14: Transport information

14.1 UN number or ID number	3082
14.2 UN proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS LIMONENE)
14.3 Transport hazard class(es)	9
14.4 Packing group	III
Tunnel Code	(E)
14.5 Environmental Hazards	No relevant information available
14.6 Special precautions for user	No relevant information available
14.7 Maritime transport in bulk according to IMO instruments	Not applicable

Section 15: Regulatory information

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
No relevant information available at this time
- 15.2 Chemical safety assessment
A chemical safety assessment has not been carried out

Section 16: Other information

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Full list of precautionary phrases

P273	Avoid release to the environment.
P280	Wear protective gloves and eye protection
P302+P352	IF ON SKIN: Wash with plenty of water.
P333+P313	If skin irritation or rash occurs: Get medical advice.
P337+P313	If eye irritation persists: Get medical attention.
P501	Dispose of contents/container to approved disposal site, in accordance with local regulations.

Wording of any hazard classes listed in section 3

FL 3	Flammable liquid, category 3
FS 2	Flammable solid, category 2
ATO 4	Acute toxicity, oral, category 4
AH 1	Aspiration hazard, category 1
SCI 2	Skin corrosion/irritation, category 2
SS 1	Skin sensitisation, category 1
SS 1B	Skin sensitisation, category 1B
EDI 1	Eye damage/irritation, category 1
EDI 2A	Eye damage/irritation, category 2A
EDI 2	Eye damage/irritation, category 2
ATI 4	Acute toxicity, inhalation, category 4
STO-SE 2	Specific target organ, single exposure, category 2
EH A1	Aquatic hazard, acute, category 1
EH A2	Aquatic hazard, acute, category 2
EH C1	Aquatic hazard, chronic, category 1
EH C2	Aquatic hazard, chronic, category 2
EH C3	Aquatic hazard, chronic, category 3

Wording of any hazard statements listed in section 3

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

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H319	Causes serious eye irritation
H332	Harmful if inhaled
H371	May cause damage to organs
H400	Very toxic to aquatic life
H401	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

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