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Section 1: I dentification of the substance/mixture and of the company/undertaking

1.1 Product I dentifier

Product Name LEMON VERBENA 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

Stansfield's Fragrance Oils Unit 14A Ipark Industrial

Estate,

Innovation Drive, Hull, HU5 1SG

Telephone Number 01482 447272

Email Address info@stansfields.shop

1.4 Emergency Telephone Number +447921236290

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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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 alpha-iso-Methylionone, Benzyl Salicylate, Citral, Geraniol, Hexyl Cinnamal and Limonene 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 (3,7-Dimethyl-2,6,octadienal) (Lemarome) (Neral/Geranial) Skin. Irrit. 2;H315,Skin Sens. 1B;H317,Eye Irrit. 2;H319	>=5%,<10%	
CAS 63500-71-0 EINECS 405-040-6 REACH	Florol (2-iso Butyl-4-hydroxy-4-methyl tetrahydro pyran) Eye Irrit. 2;H319	>=5%,<10%	
CAS 54464-57-2 EINECS 259-174-3 REACH	Iso E super (Octahydro-2,3,8,8-tetramethyl-2-acetonaphthone) Skin. Irrit. 2;H315,Skin Sens. 1;H317,Aquatic Chronic 2;H411	>=5%,<10%	
CAS 101-86-0 EINECS 202-983-3 REACH	alpha-Hexyl cinnamic aldehyde (HCA) (2-Hexyl-phenyl-2-propenal) Skin Sens. 1B;H317,Aquatic Chronic 2;H411	>=5%,<10%	
CAS 118-58-1 EINECS 204-262-9 REACH	Benzyl salicylate (Phenylmethyl-2-hydroxybenzoate) Skin Sens. 1B;H317,Eye Irrit. 2;H319,Aquatic Chronic 3;H412	>=5%,<10%	
CAS 115-95-7 EINECS 204-116-4 REACH	Linalyl acetate Skin. Irrit. 2;H315,Eye Irrit. 2;H319	>=3%,<5%	
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	>=3%,<5%	
CAS 77-54-3 EINECS 201-036-1 REACH	Cedryl acetate Aquatic Chronic 2;H411	>=1%,<3%	
CAS 28219-61-6 EINECS 248-908-8 REACH	Bacdanol (2-Ethyl-4-(2,2,3-trimethyl-3-cyclopenten-1-yl)-2-buten-1-ol)(Sandalro frye) Irrit. 2; H319, Aquatic Acute 1; H400, Aquatic Chronic 1; H410	>=1%,<3%	
CAS 106-24-1 EINECS 203-377-1 REACH	Geraniol (3,7-Dimethyl-2,6-octadien-1-ol) Skin. Irrit. 2;H315,Skin Sens. 1;H317,Eye Dam. 1;H318	>=1%,<3%	
CAS 67634-00-8 EINECS 266-803-5 REACH	Allyl amyl glycolate (2-Propenyl-2(3)-methyl butoxy acetate) Acute Tox. 4;H302,Skin. Irrit. 2;H315	>=1%,<3%	LD50(oral): 730 mg/kg
CAS 127-51-5 EINECS 204-846-3 REACH	alpha-iso-Methylionone Skin. Irrit. 2; H315, Skin Sens. 1B; H317, Eye Irrit. 2; H319, Aquatic Chronic 2; H411	>=1%,<3%	

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CAS 60-12-8 EINECS 200-456-2 REACH	Phenethyl alcohol (Phenyl ethyl alcohol) Eye Irrit. 2;H319	>=1%,<3%	
CAS 105-87-3 EINECS 203-341-5 REACH	Geranyl acetate Skin. Irrit. 2; H315, Skin Sens. 1; H317, Aquatic Chronic 3; H412	>=1%,<3%	
CAS 2437-25-4 EINECS 219-440-1 REACH	Dodecanenitrile (Clonal) Skin. Irrit. 2;H315,Aquatic Acute 1;H400,Aquatic Chronic 1;H410	>=0.1%,<1%	
CAS 127-91-3 EINECS 204-872-5 REACH	beta-Pinene (6,6-Dimethyl-2-methylene-bicyclo[3.3.1]-heptane) Flam. Liq. 3; H226,Asp. Tox. 1; H304,Skin. Irrit. 2; H315,Skin Sens. 1B; H317	>=0.1%,<1%	
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	0.0760	
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	0.0190	

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.

- 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

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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.

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.

7.3 Specific end uses

No further information available

Section 8: Exposure controls / personal protection

8.1 Control Parameters

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Occupational exposure limits:

UK / WEL

(Workplace exposure limits, EH40/2005, 2020)

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

No information available

8.2 Exposure controls

Engineering controls

No information available

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 available

Environmental exposure controls

No information available

Section 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Flash Point (°C) Above 61
Physical state Liquid

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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

Allyl amyl glycolate (2-Propenyl-2(3)-methyl butoxy acetate) LD50(oral): 730 mg/kg LD50(dermal): Not

CAS: 67634-00-8

applicable LC50(inhalation): Not applicable

Bacdanol (2-Ethyl-4-(2,2,3-trimethyl-3-cyclopenten-1

-yl)-2-buten-1-ol)(Sandalrome) CAS:

LD50(oral): Not applicable LD50(dermal): Not applicable LC50(inhalation): Not applicable

28219-61-6

Benzyl salicylate (Phenylmethyl-2-hydroxybenzoate) CAS: LD50(oral): Not applicable LD50(dermal): Not applicable LC50(inhalation): Not applicable

118-58-1

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4-tertButylcyclohexyl acetate (Vertenex) (PTBCHA) CAS: 32210-23-4	LD50(oral): Not applicable LD50(dermal): Not applicable LC50(inhalation): Not applicable
Cedryl acetate CAS: 77-54-3	LD50(oral): Not applicable LD50(dermal): Not applicable LC50(inhalation): Not applicable
Citral (3,7-Dimethyl-2,6,octadienal) (Lemarome) (Neral/Geranial) CAS: 5392-40-5	LD50(oral): Not applicable LD50(dermal): Not applicable LC50(inhalation): Not applicable
Citronellyl formate CAS: 105-85-1	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
Dodecanenitrile (Clonal) CAS: 2437-25-4	LD50(oral): Not applicable LD50(dermal): Not applicable LC50(inhalation): Not applicable
Florol (2-iso Butyl-4-hydroxy-4-methyl tetrahydro pyran) CAS: 63500-71-0	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
alpha-Hexyl cinnamic aldehyde (HCA) (2-Hexyl-phenyl-2-propenal) CAS: 101-86-0	LD50(oral): Not applicable LD50(dermal): Not applicable LC50(inhalation): Not applicable
Isoamyl salicylate (Isopentyl salicylate) CAS: 87-20-7	LD50(oral): Not applicable LD50(dermal): Not applicable LC50(inhalation): Not applicable
Iso E super (Octahydro-2,3,8,8-tetramethyl-2-acetonap hthone) CAS: 54464-57-2	LD50(oral): Not applicable LD50(dermal): Not applicable LC50(inhalation): Not applicable
alpha-iso-Methylionone CAS: 127-51-5	LD50(oral): Not applicable LD50(dermal): Not applicable LC50(inhalation): Not applicable
Linalyl acetate CAS: 115-95-7	LD50(oral): Not applicable LD50(dermal): Not applicable LC50(inhalation): Not applicable
Phenethyl alcohol (Phenyl ethyl alcohol) CAS: 60-12-8	LD50(oral): Not applicable LD50(dermal): Not applicable LC50(inhalation): Not applicable
beta-Pinene (6,6-Dimethyl-2-methylene-bicyclo[3.3.1]-h	LD50(oral): Not applicable LD50(dermal): Not applicable LC50(inhalation): Not applicable

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eptane) CAS: 127-91-3

LD50(oral): Not applicable LD50(dermal): Not

gamma-Undecalactone (Aldehyde C-14 peche) (Undeca-1,4-lactone) CAS: 104-67-6

applicable LC50(inhalation): Not applicable

Orange terpenes (sweet) CAS: 68647-72-3

LD50(oral): Not applicable LD50(dermal): Not applicable LC50(inhalation): Not applicable

Skin corrosion / irritation

No data available

Serious eye damage / irritation

No data available

Respiratory or skin sensitisation

No data available

Germ cell mutagenicity

No data available

Carcinogenicity

No data available

Reproductive toxicity

No data available

Specific Target Organ - single exposure

No data available

Specific Target Organ - repeated exposure

No data available

Aspiration hazard

No data available

Information on likely routes of exposure

No data available

Symptoms related to the physical, chemical and toxicological characteristics No data available

Delayed and immediate effects as well as chronic effects from short and

No data available

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long-term exposure

No data available

Interactive effects

No data available

11.2 Information on other hazards

Endocrine disrupting properties

No data

Other information

No data available

Section 12: Ecological information

12.1 Toxicity

12.2 Persistence and degradability

No data available

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data available

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 OCTAHYDRO-2,3,8,8,-TETRAMETHYL-2-NA

PHTHYL)ETHAN-1-ONE)

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

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Section 16: Other information

H411

Full list of	precautionary	phrases
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ruii iist oi precai	utionary prirases
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 l	nazard classes listed in section 3
FL 3	Flammable liquid, category 3
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 2	Eye damage/irritation, category 2
EH A1	Aquatic hazard, acute, category 1
EH C1	Aquatic hazard, chronic, category 1
EH C2	Aquatic hazard, chronic, category 2
EH C3	Aquatic hazard, chronic, category 3
Wording of any h	nazard statements listed in section 3
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
H318	Causes serious eye damage
H319	Causes serious eye irritation
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects

The information contained herein is true and accurate to the best of our knowledge. All information is valid until revisions are issued. However, the accuracy of this information cannot be guaranteed by the company as the data has been obtained from different sources. We will not, therefore, accept liability for misuse of this data resulting in damage or loss.

Toxic to aquatic life with long lasting effects

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H412	Harmful to aquatic life with long lasting effects	



Allergen Analysis

Product Name Code Number

: LEMON VERBENA FRAGRANCE:

Fragrance Ingredient	CAS Number	Concentration present as a percentage (%) or "A" for absent in fragrance		
		Added as such	From natural & other sources	Total
alpha-iso-Methylionone	127-51-5	1.00	A	1.0
Amyl Cinnamal	122-40-7	А	А	
Amylcinnamyl Alcohol	101-85-9	А	А	
Anise Alcohol	105-13-5	А	А	
Benzyl Alcohol	100-51-6	А	А	
Benzyl Benzoate	120-51-4	A	А	
Benzyl Cinnamate	103-41-3	А	А	
Benzyl Salicylate	118-58-1	5.00	А	5.0
Butylphenyl Methylpropional (Lilial)	80-54-6	A	А	
Cinnamal	104-55-2	А	A	
Cinnamyl Alcohol	104-54-1	А	А	
Citral	106-26-3	5.00	A	5.
	141-27-5			
	5392-40-5			
Citronellol	106-22-9	A	A	
	1117-61-9			
	141-25-3			
	6812-78-8			
	68916-43-8			
	7540-51-4			
Coumarin	91-64-5	А	А	
Eugenol	97-53-0	A	A	
Evernia Furfuraceae (Tree Moss) Extract	90028-67-4	A	A	
Evernia Prunastri (Oak Moss) Extract	90028-68-5	A	A	
Farnesol	4602-84-0	А	A	
Geraniol	106-24-1	2.00	A	2.
Hexyl Cinnamal	101-86-0	5.00	А	5.
Hydroxycitronellal	107-75-5	A	А	
Isoeugenol	97-54-1	А	А	
Limonene	138-86-3	A	3.61	3.
	5989-27-5			
	5989-54-8			
	7705-14-8			
Linalool	126-90-9	A	А	
	126-91-0		.	
	78-70-6			
Methyl 2-Octynoate	111-12-6	A	А	