

**YANKEE
CANDLE®**
a passion for fragrance™
SAFETY DATA SHEET

Issue Date 15-Jun-2020

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Version 3

**Section 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE
COMPANY/UNDERTAKING**

1.1. Product identifier

Trade name / designation	Lemon Lavender Mod 1 Fragrance
Product Code	1629320E
Product Name	HF-EHF RFTW LEM LAV

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

Recommended Use	Consumer use
Uses advised against	No information available

1.3. Details of the supplier of the safety data sheet

Supplier

Yankee Candle Company Europe Ltd.
Cabot Park, Poplar Way East, Avonmouth
Bristol, BS11 0YH, UK
Tel: +44(0) 117 316 1200

For further information, please contact

E-mail address SDSinfo@yankeecandle.com

1.4. Emergency telephone number

Emergency Telephone - §45 - (EC)1272/2008

Europe	008 008 658 8466
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Section 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

Skin corrosion/irritation	Category 2 - (H315)
Serious eye damage/eye irritation	Category 2 - (H319)
Skin sensitization	Category 1B - (H317)
Chronic aquatic toxicity	Category 3 - (H412)

2.2. Label elements



Contains Linalyl acetate, Eucalyptol, Linalool, Coumarin, Citral

Warning

Causes skin irritation

Causes serious eye irritation
May cause an allergic skin reaction
Harmful to aquatic life with long lasting effects

Keep out of reach of children
IF ON SKIN: Wash with plenty of water.
If skin irritation or rash occurs: Get medical advice/attention
Dispose of contents/containers in accordance with local regulations

Contains Oils, pine, Citronellol, Hexyl salicylate, Geranyl acetate, 2,4-Dimethyl-3-cyclohexene carboxaldehyde, dimethyltetrahydro Benzaldehyde, Eugenol, Methyl cinnamate, Limonene, beta-Pinene May produce an allergic reaction

2.3. Other hazards

None known

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2

Chemical Name	EC No	CAS No	Weight-%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Pentanedioic acid, 1,5-dimethyl ester	214-277-2	1119-40-0	>=50%	Aquatic Acute 3 (H402)
Hexanedioic acid, 1,6-dimethyl ester	211-020-6	627-93-0	>=20 <50%	Aquatic Acute 3 (H402)
Linalyl acetate	204-116-4	115-95-7	>=5 <10%	Skin Irrit. 2 (H315) Skin Sens. 1B (H317)
Eucalyptol	207-431-5	470-82-6	>=5 <10%	Flam. Liq. 3 (H226) Skin Sens. 1B (H317)
2,6-DIMETHYL-7-OCTEN-2-OL	242-362-4	18479-58-8	>=3 <5%	Flam. Liq. 4 (H227) Acute Tox. 5 (H303) Skin Irrit. 2 (H315) Eye Irrit. 2A (H319) Aquatic Acute 3 (H402)
Linalool	201-134-4	78-70-6	>=1 <3%	Skin Irrit. 2 (H315) Skin Sens. 1B (H317) Eye Irrit. 2 (H319)
Coumarin	202-086-7	91-64-5	>=1 <3%	Acute Tox. 4 (H302) Skin Sens. 1B (H317)
Citral	226-394-6	5392-40-5	>=1 <3%	Skin Irrit. 2 (H315) Skin Sens. 1 (H317) Eye Irrit. 2 (H319)
Oils, pine		8002-09-3	>=0.1 <1%	Flam. Liq. 3 (H226) Asp. Tox. 1 (H304) Skin Sens. 1B (H317) Eye Irrit. 2 (H319) Aquatic Chronic 2 (H411)
Benzene, 1-methyl-4-(1-methylethyl)-	202-796-7	99-87-6	>=0.1 <1%	Not classified
Acetic acid, phenylmethyl ester	205-399-7	140-11-4	>=0.1 <1%	Aquatic Chronic 3 (H412)
Citronellol	203-375-0	106-22-9	>=0.1 <1%	Skin Irrit. 2 (H315) Skin Sens. 1B (H317) Eye Irrit. 2 (H319)
Hexyl salicylate	228-408-6	6259-76-3	>=0.1 <1%	Skin Irrit. 2 (H315) Skin Sens. 1 (H317) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)
Geranyl acetate	203-341-5	105-87-3	>=0.1 <1%	Skin Irrit. 2 (H315) Skin Sens. 1 (H317) Aquatic Chronic 3 (H412)
Bicyclo[2.2.1]heptan-2-one, 1,7,7-trimethyl-	200-945-0	76-22-2	>=0.1 <1%	Flam. Sol. 2 (H228) Acute Tox. 4 (H302) Acute Tox. 4 (H332) STOT SE 2 (H371) Aquatic Acute 3 (H402)

2,4-Dimethyl-3-cyclohexene carboxaldehyde	268-264-1	68039-49-6	>=0.1 <1%	Skin Irrit. 2 (H315) Skin Sens. 1B (H317) Eye Irrit. 2 (H319) Aquatic Chronic 2 (H411)
dimethyltetrahydro Benzaldehyde	272-113-5	68737-61-1	>=0.1 <1%	Flam. Liq. 4 (H227) Acute Tox. 5 (H303) Skin Irrit. 2 (H315) Skin Sens. 1B (H317) Aquatic Acute 2 (H401) Aquatic Chronic 2 (H411)
Eugenol	202-589-1	97-53-0	>=0.1 <1%	Skin Sens. 1B (H317) Eye Irrit. 2 (H319)
Methyl cinnamate	203-093-8	103-26-4	>=0.1 <1%	Acute Tox. 5 (H303) Skin Sens. 1B (H317)
Limonene	205-341-0	138-86-3	>=0.1 <1%	Flam. Liq. 3 (H226) Asp. Tox. 1 (H304) Skin Irrit. 2 (H315) Skin Sens. 1B (H317) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)
beta-Pinene	204-872-5	127-91-3	>=0.1 <1%	Flam. Liq. 3 (H226) Asp. Tox. 1 (H304) Skin Irrit. 2 (H315) Skin Sens. 1B (H317) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)
Benzene, 1,1'-oxybis-	202-981-2	101-84-8	>=0.01 <0.1%	Eye Irrit. 2 (H319) Aquatic Acute 1 (H400) Aquatic Chronic 3 (H412)
Cyclohexene, 1-methyl-4-(1-methylethylidene)-	209-578-0	586-62-9	>=0.01 <0.1%	Flam. Liq. 4 (H227) Acute Tox. 5 (H303) Asp. Tox. 1 (H304) Skin Irrit. 3 (H316) Skin Sens. 1B (H317) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)
1,4-Cyclohexadiene, 1-methyl-4-(1-methylethyl)-	202-794-6	99-85-4	>=0.01 <0.1%	Flam. Liq. 3 (H226) Acute Tox. 5 (H303) Asp. Tox. 1 (H304) Skin Irrit. 3 (H316)
1,3,6-Octatriene, 3,7-dimethyl-	237-641-2	13877-91-3	>=0.01 <0.1%	Flam. Liq. 3 (H226) Asp. Tox. 1 (H304) Skin Irrit. 2 (H315) Aquatic Acute 1 (H400) Aquatic Chronic 2 (H411)
Limonene	227-813-5	5989-27-5	>=0.01 <0.1%	Flam. Liq. 3 (H226) Asp. Tox. 1 (H304) Skin Irrit. 2 (H315) Skin Sens. 1B (H317) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)
Acetic acid ethyl ester	205-500-4	141-78-6	>=0.01 <0.1%	EUH066 Flam. Liq. 2 (H225) Eye Irrit. 2 (H319) STOT SE 3 (H336)
Benzenemethanol	202-859-9	100-51-6	<0.01%	Acute Tox. 4 (H302) Eye Irrit. 2 (H319) Acute Tox. 4 (H332)
delta-3-Carene	236-719-3	13466-78-9	<0.01%	Flam. Liq. 3 (H226) Asp. Tox. 1 (H304) Skin Irrit. 2 (H315) Skin Sens. 1 (H317) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)
Acetic acid, butyl ester	204-658-1	123-86-4	<0.01%	EUH066 Flam. Liq. 3 (H226) STOT SE 3 (H336)
Phenol,	204-881-4	128-37-0	<0.01%	Aquatic Acute 1 (H400)

2,6-bis(1,1-dimethylethyl)-4-methyl-				Aquatic Chronic 1 (H410)
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Full text of H- and EUH-phrases: see section 16

Section 4: FIRST AID MEASURES

4.1. Description of first aid measures

General advice	In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).
Inhalation	Remove to fresh air. If symptoms persist, call a physician.
Skin Contact	Wash off immediately with plenty of water for at least 15 minutes. If skin irritation persists, call a physician. Wash off immediately with soap and plenty of water.
Eye contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If symptoms persist, call a physician.
Ingestion	Do NOT induce vomiting. Drink plenty of water. Immediate medical attention is not required. Rinse mouth.
Self-protection of the first aider	Use personal protective equipment as required.

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

Symptoms	None known.
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4.3. Indication of any immediate medical attention and special treatment needed

Note to physicians	May cause sensitization of susceptible persons.
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Section 5: FIRE FIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media

No information available

5.2. Special hazards arising from the substance or mixture

In the event of fire and/or explosion do not breathe fumes May cause sensitization by inhalation and skin contact Thermal decomposition can lead to release of irritating and toxic gases and vapors

5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective suit. Use personal protective equipment as required.

Section 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions

Use personal protective equipment as required. Avoid contact with eyes and skin.

For emergency responders

Use personal protection recommended in Section 8.

6.2. Environmental precautions

Prevent entry into waterways, sewers, basements or confined areas. Do not flush into surface water or sanitary sewer system.

6.3. Methods and material for containment and cleaning up

Methods for containment Prevent further leakage or spillage if safe to do so.

Methods for cleaning up Soak up with inert absorbent material. Pick up and transfer to properly labeled containers. After cleaning, flush away traces with water. Prevent product from entering drains.

6.4. Reference to other sections

See Section 12: ECOLOGICAL INFORMATION.

Section 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Ensure adequate ventilation, especially in confined areas. Use personal protective equipment as required.

When using do not eat, drink or smoke. Wash contaminated clothing before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Keep out of the reach of children. Keep container tightly closed. Keep containers tightly closed in a cool, well-ventilated place.

7.3. Specific end use(s)

To avoid risks to human health and the environment, comply with the instructions for use.

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Chemical Name	European Union	United Kingdom	France	Spain	Germany
Pentanedioic acid, 1,5-dimethyl ester 1119-40-0					TWA: 1.2 ppm TWA: 8 mg/m ³
Hexanedioic acid, 1,6-dimethyl ester 627-93-0					TWA: 1.2 ppm TWA: 8 mg/m ³
2,6-Octadienal, 3,7-dimethyl- 5392-40-5				S* TWA: 5 ppm	
Benzene, 1-methyl-4-(1-methylethyl)- 99-87-6			TWA: 150 mg/m ³ TWA: 1000 mg/m ³ STEL: 1500 mg/m ³		
Acetic acid, phenylmethyl ester 140-11-4				TWA: 10 ppm TWA: 62 mg/m ³	
Bicyclo[2.2.1]heptan-2-one, 1,7,7-trimethyl- 76-22-2		STEL: 3 ppm STEL: 19 mg/m ³ TWA: 2 ppm TWA: 13 mg/m ³	TWA: 2 ppm TWA: 12 mg/m ³	STEL: 3 ppm STEL: 19 mg/m ³ TWA: 2 ppm TWA: 13 mg/m ³	
dipentene 138-86-3			TWA: 1000 mg/m ³ STEL: 1500 mg/m ³		
Bicyclo[3.1.1]heptane, 6,6-dimethyl-2-methylene- 127-91-3			TWA: 1000 mg/m ³ STEL: 1500 mg/m ³	TWA: 20 ppm TWA: 113 mg/m ³	
Benzene, 1,1'-oxybis- 101-84-8		STEL: 3 ppm STEL: 21.3 mg/m ³ TWA: 1 ppm	TWA: 1 ppm TWA: 7 mg/m ³	STEL: 2 ppm STEL: 14.2 mg/m ³ TWA: 1 ppm	TWA: 1 ppm TWA: 7.1 mg/m ³ Ceiling / Peak: 1 ppm

		TWA: 7.1 mg/m ³		TWA: 7.1 mg/m ³	Ceiling / Peak: 7.1 mg/m ³
Cyclohexene, 1-methyl-4-(1-methylethylidene)- 586-62-9			TWA: 1000 mg/m ³ STEL: 1500 mg/m ³		
1,4-Cyclohexadiene, 1-methyl-4-(1-methylethyl)- 99-85-4			TWA: 1000 mg/m ³ STEL: 1500 mg/m ³		
1,3,6-Octatriene, 3,7-dimethyl- 13877-91-3			TWA: 1000 mg/m ³ STEL: 1500 mg/m ³		
(R)-p-mentha-1,8-diene 5989-27-5			TWA: 1000 mg/m ³ STEL: 1500 mg/m ³		TWA: 5 ppm TWA: 28 mg/m ³ Ceiling / Peak: 20 ppm Ceiling / Peak: 112 mg/m ³ Skin
Acetic acid ethyl ester 141-78-6		STEL: 400 ppm TWA: 200 ppm	TWA: 400 ppm TWA: 1400 mg/m ³	TWA: 400 ppm TWA: 1460 mg/m ³	TWA: 200 ppm TWA: 750 mg/m ³ Ceiling / Peak: 400 ppm Ceiling / Peak: 1500 mg/m ³ TWA: 400 ppm TWA: 1500 mg/m ³
Benzenemethanol 100-51-6					TWA: 22 mg/m ³ TWA: 5 ppm Ceiling / Peak: 44 mg/m ³ Ceiling / Peak: 10 ppm Skin
Bicyclo[4.1.0]hept-3-ene, 3,7,7-trimethyl- 13466-78-9			TWA: 1000 mg/m ³ STEL: 1500 mg/m ³	TWA: 20 ppm TWA: 113 mg/m ³	
Acetic acid, butyl ester 123-86-4		STEL: 200 ppm STEL: 966 mg/m ³ TWA: 150 ppm TWA: 724 mg/m ³	TWA: 150 ppm TWA: 710 mg/m ³ STEL: 200 ppm STEL: 940 mg/m ³	STEL: 200 ppm STEL: 965 mg/m ³ TWA: 150 ppm TWA: 724 mg/m ³	TWA: 100 ppm TWA: 480 mg/m ³ Ceiling / Peak: 200 ppm Ceiling / Peak: 960 mg/m ³ TWA: 62 ppm TWA: 300 mg/m ³
Phenol, 2,6-bis(1,1-dimethylethyl)-4-methyl- 128-37-0		STEL: 30 mg/m ³ TWA: 10 mg/m ³	TWA: 10 mg/m ³	TWA: 10 mg/m ³	TWA: 10 mg/m ³ Ceiling / Peak: 40 mg/m ³ Skin
Chemical Name	Italy	Portugal	Netherlands	Finland	Denmark
Benzene, 1-methyl-4-(1-methylethyl)- 99-87-6					TWA: 25 ppm TWA: 135 mg/m ³
Acetic acid, phenylmethyl ester 140-11-4		TWA: 10 ppm			TWA: 10 ppm TWA: 61 mg/m ³
Bicyclo[2.2.1]heptan-2-one, 1,7,7-trimethyl- 76-22-2		STEL: 3 ppm TWA: 2 ppm		TWA: 0.3 ppm TWA: 1.9 mg/m ³ STEL: 0.9 ppm STEL: 5.7 mg/m ³	TWA: 2 ppm TWA: 12 mg/m ³
Bicyclo[3.1.1]heptane, 6,6-dimethyl-2-methylene- 127-91-3		TWA: 20 ppm			
Benzene, 1,1'-oxybis- 101-84-8		STEL: 2 ppm TWA: 1 ppm		TWA: 1 ppm TWA: 7.1 mg/m ³ STEL: 3 ppm STEL: 21 mg/m ³	TWA: 1 ppm TWA: 7 mg/m ³

(R)-p-mentha-1,8-diene 5989-27-5					TWA: 25 ppm TWA: 140 mg/m ³ STEL: 50 ppm STEL: 280 mg/m ³	
Acetic acid ethyl ester 141-78-6		TWA: 400 ppm			TWA: 300 ppm TWA: 1100 mg/m ³ STEL: 500 ppm STEL: 1800 mg/m ³	TWA: 150 ppm TWA: 540 mg/m ³
Benzenemethanol 100-51-6					TWA: 10 ppm TWA: 45 mg/m ³	
Bicyclo[4.1.0]hept-3-ene, 3,7,7-trimethyl- 13466-78-9		TWA: 20 ppm				
Acetic acid, butyl ester 123-86-4		STEL: 200 ppm TWA: 150 ppm			TWA: 150 ppm TWA: 720 mg/m ³ STEL: 200 ppm STEL: 960 mg/m ³	TWA: 150 ppm TWA: 710 mg/m ³
Phenol, 2,6-bis(1,1-dimethylethyl)-4- methyl- 128-37-0		TWA: 2 mg/m ³			TWA: 10 mg/m ³ STEL: 20 mg/m ³	TWA: 10 mg/m ³
Chemical Name	Austria	Switzerland	Poland	Norway	Ireland	Czech Republic
2,6-Octadienal, 3,7-dimethyl- 5392-40-5			STEL: 54 mg/m ³ TWA: 27 mg/m ³			
Bicyclo[2.2.1]heptan-2-one, 1,7,7-trimethyl- 76-22-2	TWA: 2 ppm TWA: 13 mg/m ³	TWA: 2 ppm TWA: 13 mg/m ³	STEL: 18 mg/m ³ TWA: 12 mg/m ³	TWA: 2 ppm TWA: 12 mg/m ³ STEL: 4 ppm STEL: 18 mg/m ³	TWA: 2 ppm TWA: 12 mg/m ³ STEL: 3 ppm STEL: 18 mg/m ³	
dipentene 138-86-3				TWA: 25 ppm TWA: 140 mg/m ³ TWA: 40 ppm TWA: 275 mg/m ³ STEL: 37.5 ppm STEL: 175 mg/m ³ STEL: 60 ppm STEL: 343.75 mg/m ³		
Bicyclo[3.1.1]heptane, 6,6-dimethyl-2-methylen- 127-91-3				TWA: 25 ppm TWA: 140 mg/m ³ STEL: 37.5 ppm STEL: 175 mg/m ³		
Benzene, 1,1'-oxybis- 101-84-8	TWA: 1 ppm TWA: 7 mg/m ³	STEL: 1 ppm STEL: 7 mg/m ³ TWA: 1 ppm TWA: 7 mg/m ³	STEL: 14 mg/m ³ TWA: 7 mg/m ³	TWA: 1 ppm TWA: 7 mg/m ³ STEL: 2 ppm STEL: 14 mg/m ³	TWA: 1 ppm TWA: 7 mg/m ³ STEL: 3 ppm STEL: 21 mg/m ³	Ceiling: 10 mg/m ³ TWA: 5 mg/m ³
(R)-p-mentha-1,8-diene 5989-27-5		STEL: 14 ppm STEL: 80 mg/m ³ TWA: 7 ppm TWA: 40 mg/m ³		TWA: 25 ppm TWA: 140 mg/m ³ STEL: 37.5 ppm STEL: 175 mg/m ³		
Acetic acid ethyl ester 141-78-6	STEL 600 ppm STEL 2100 mg/m ³ TWA: 300 ppm TWA: 1050 mg/m ³	STEL: 800 ppm STEL: 2800 mg/m ³ TWA: 400 ppm TWA: 1400 mg/m ³	STEL: 1468 mg/m ³ TWA: 734 mg/m ³	TWA: 150 ppm TWA: 550 mg/m ³ STEL: 187.5 ppm STEL: 687.5 mg/m ³	TWA: 200 ppm STEL: 400 ppm	Ceiling: 900 mg/m ³ TWA: 700 mg/m ³
Benzenemethanol 100-51-6			TWA: 240 mg/m ³			Ceiling: 80 mg/m ³ TWA: 40 mg/m ³
Bicyclo[4.1.0]hept-3-ene, 3,7,7-trimethyl- 13466-78-9				TWA: 25 ppm TWA: 140 mg/m ³ STEL: 37.5 ppm STEL: 175 mg/m ³		
Acetic acid, butyl ester 123-86-4	STEL 100 ppm STEL 480 mg/m ³ TWA: 100 ppm TWA: 480 mg/m ³ Ceiling 100 ppm Ceiling 480 mg/m ³	STEL: 200 ppm STEL: 960 mg/m ³ TWA: 100 ppm TWA: 480 mg/m ³	STEL: 950 mg/m ³ TWA: 200 mg/m ³	TWA: 75 ppm TWA: 355 mg/m ³ STEL: 112.5 ppm STEL: 418.75 mg/m ³	TWA: 150 ppm TWA: 710 mg/m ³ STEL: 200 ppm STEL: 950 mg/m ³	Ceiling: 1200 mg/m ³ TWA: 950 mg/m ³
Phenol, 2,6-bis(1,1-dimethylethyl)-4-methyl-	TWA: 10 mg/m ³	STEL: 40 mg/m ³ TWA: 10 mg/m ³			TWA: 10 mg/m ³ STEL: 30 mg/m ³	

128-37-0						
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Derived No Effect Level (DNEL) No information available

Predicted No Effect Concentration (PNEC) No information available.

8.2. Exposure controls

Engineering Controls Ensure adequate ventilation, especially in confined areas.

Personal protective equipment

Eye/face protection Tight sealing safety goggles.

Skin and body protection Suitable protective clothing.

Environmental exposure controls Do not allow into any sewer, on the ground or into any body of water.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical state	Solid	Odor	Characteristic
Appearance	Oil	Odor threshold	No information available
Color	No information available		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH		Not Applicable
Melting point/freezing point		No information available
Boiling point / boiling range		No information available
Flash point	>= 83 °C	
Evaporation rate		No information available
Flammability (solid, gas)		No information available
Flammability Limit in Air		
Upper flammability limit:		No information available
Lower flammability limit:		No information available
Vapor Pressure @20°C (kPa)	No information available	No information available
Vapor density		No information available
Specific Gravity		No information available
Water solubility	negligible	No information available
Solubility(ies)		No information available
Partition coefficient		No information available
Autoignition temperature		No information available
Decomposition temperature		No information available
Kinematic viscosity		No information available
Dynamic viscosity		No information available
Explosive properties	No information available	
Oxidizing properties	No information available	

9.2. Other information

Softening point	No information available
Molecular weight	Not Applicable
VOC Content (%)	9.3360
Density	No information available
Bulk density	No information available

Section 10: STABILITY AND REACTIVITY

10.1. Reactivity

No data available.

10.2. Chemical stability

Stable under normal conditions.

Explosion data

Sensitivity to Mechanical Impact None.

Sensitivity to Static Discharge None.

10.3. Possibility of hazardous reactions

None under normal processing.

10.4. Conditions to avoid

Extremes of temperature and direct sunlight.

10.5. Incompatible materials

No information available.

10.6. Hazardous decomposition products

None under normal use conditions.

Section 11: TOXICOLOGICAL INFORMATION**11.1. Information on toxicological effects****Product information**

Product does not present an acute toxicity hazard based on known or supplied information.

Unknown Acute Toxicity 122.90781% of the mixture consists of ingredient(s) of unknown toxicity.

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral) 12,624.00 mg/kg

ATEmix (dermal) 22,310.00 mg/kg

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
2,6-Octadienal, 3,7-dimethyl-	= 4960 mg/kg (Rat)	= 2250 mg/kg (Rabbit)	
Acetic acid, phenylmethyl ester	= 2490 mg/kg (Rat)	> 5 g/kg (Rabbit) > 5000 mg/kg (Rabbit)	
Bicyclo[3.1.1]heptane, 6,6-dimethyl-2-methylene-	= 4700 mg/kg (Rat) > 5000 mg/kg (Rat)	> 5000 mg/kg (Rabbit)	
(R)-p-mentha-1,8-diene	= 5200 mg/kg (Rat) = 4400 mg/kg (Rat)	> 5 g/kg (Rabbit)	
Bicyclo[4.1.0]hept-3-ene, 3,7,7-trimethyl-	= 4800 mg/kg (Rat)		
Phenol,	> 2930 mg/kg (Rat)	> 2000 mg/kg (Rat)	
2,6-bis(1,1-dimethylethyl)-4-methyl-			

Skin corrosion/irritation No information available.

Serious eye damage/eye irritation Contact with eyes may cause irritation.

Sensitization Repeated or prolonged contact may cause allergic reactions in very susceptible persons.

Germ cell mutagenicity No information available.

Carcinogenicity No information available.

Reproductive toxicity	No information available.
STOT - single exposure	No information available.
STOT - repeated exposure	No information available.
Aspiration hazard	No information available.

Section 12: ECOLOGICAL INFORMATION

12.1. Toxicity

6.889% of the mixture consists of components(s) of unknown hazards to the aquatic environment

Chemical Name	Algae/aquatic plants	Fish	Crustacea
Pentanedioic acid, 1,5-dimethyl ester		19.6 - 26.2: 96 h Pimephales promelas mg/L LC50 static	122.1 - 163.5: 48 h Daphnia magna mg/L EC50
2-Oxabicyclo[2.2.2]octane, 1,3,3-trimethyl-		95.4 - 109: 96 h Pimephales promelas mg/L LC50 flow-through	
1,6-Octadien-3-ol, 3,7-dimethyl-	88.3: 96 h Desmodesmus subspicatus mg/L EC50	22 - 46: 96 h Leuciscus idus mg/L LC50 static	20: 48 h Daphnia magna mg/L EC50
2,6-Octadienal, 3,7-dimethyl-	19: 96 h Desmodesmus subspicatus mg/L EC50 16: 72 h Desmodesmus subspicatus mg/L EC50	4.6 - 10: 96 h Leuciscus idus mg/L LC50 static	7: 48 h Daphnia magna mg/L EC50
Oils, pine			17 - 28: 48 h Daphnia magna mg/L EC50 Flow through
Benzene, 1,1'-oxybis-		4 - 7.9: 96 h Pimephales promelas mg/L LC50 static 4: 96 h Pimephales promelas mg/L LC50 flow-through	0.11 - 1.1: 48 h Daphnia magna mg/L LC50
(R)-p-mentha-1,8-diene		35: 96 h Oncorhynchus mykiss mg/L LC50 0.619 - 0.796: 96 h Pimephales promelas mg/L LC50 flow-through	
Acetic acid ethyl ester	3300: 48 h Desmodesmus subspicatus mg/L EC50	484: 96 h Oncorhynchus mykiss mg/L LC50 flow-through 352 - 500: 96 h Oncorhynchus mykiss mg/L LC50 semi-static 220 - 250: 96 h Pimephales promelas mg/L LC50 flow-through	560: 48 h Daphnia magna mg/L EC50 Static
Benzenemethanol	35: 3 h Anabaena variabilis mg/L EC50	460: 96 h Pimephales promelas mg/L LC50 static 10: 96 h Lepomis macrochirus mg/L LC50 static	23: 48 h water flea mg/L EC50
Acetic acid, butyl ester	674.7: 72 h Desmodesmus subspicatus mg/L EC50	62: 96 h Leuciscus idus mg/L LC50 static 100: 96 h Lepomis macrochirus mg/L LC50 static 17 - 19: 96 h Pimephales promelas mg/L LC50 flow-through	72.8: 24 h Daphnia magna mg/L EC50
Phenol, 2,6-bis(1,1-dimethylethyl)-4-methyl-	6: 72 h Pseudokirchneriella subcapitata mg/L EC50 0.42: 72 h Desmodesmus subspicatus mg/L EC50	5: 48 h Oryzias latipes mg/L LC50	

12.2. Persistence and degradability

No information available.

12.3. Bioaccumulative potential

No information available.

Chemical Name	Partition coefficient
1,6-Octadien-3-ol, 3,7-dimethyl-	2.84 - 3.1
2,6-Octadienal, 3,7-dimethyl-	2.76
Benzene, 1-methyl-4-(1-methylethyl)-	4.1

Acetic acid, phenylmethyl ester	1.96
Benzene, 1,1'-oxybis-	4.2
Acetic acid ethyl ester	0.6
Benzenemethanol	1.1
Acetic acid, butyl ester	1.81
Phenol, 2,6-bis(1,1-dimethylethyl)-4-methyl-	4.17

12.4. Mobility in soil**Mobility in soil**

No information available.

12.5. Results of PBT and vPvB assessment

No information available.

12.6. Other adverse effects

No information available

Section 13: DISPOSAL CONSIDERATIONS**13.1. Waste treatment methods****Waste from Residues / Unused Products**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated packaging

Improper disposal or reuse of this container may be dangerous and illegal.

Other Information

Waste codes should be assigned by the user based on the application for which the product was used.

Section 14: TRANSPORT INFORMATION**IMDG**

Proper shipping name Not regulated

RID**ADR****ICAO (air)****IATA**

Proper shipping name Not regulated

Section 15: REGULATORY INFORMATION**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

Chemical Name	French RG number	Title
Pentanedioic acid, 1,5-dimethyl ester 1119-40-0	RG 84	
Hexanedioic acid, 1,6-dimethyl ester 627-93-0	RG 84	
dipentene 138-86-3	RG 84	
(R)-p-mentha-1,8-diene	RG 84	

5989-27-5		
Acetic acid ethyl ester 141-78-6	RG 84	
Benzenemethanol 100-51-6	RG 84	
Acetic acid, butyl ester 123-86-4	RG 84	

European Union

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

International Inventories

TSCA	Complies
DSL/NDL	Complies
EINECS/ELINCS	Complies

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

AICS - Australian Inventory of Chemical Substances

15.2. Chemical safety assessment

No information available

Section 16: OTHER INFORMATION

Full text of H-Statements referred to under sections 2 and 3

H302 - Harmful if swallowed
H319 - Causes serious eye irritation
H332 - Harmful if inhaled
H400 - Very toxic to aquatic life
H412 - Harmful to aquatic life with long lasting effects
H303 - May be harmful if swallowed
H317 - May cause an allergic skin reaction
H315 - Causes skin irritation
H402 - Harmful to aquatic life
H226 - Flammable liquid and vapor
H336 - May cause drowsiness or dizziness
H304 - May be fatal if swallowed and enters airways
H410 - Very toxic to aquatic life with long lasting effects
H411 - Toxic to aquatic life with long lasting effects
H225 - Highly flammable liquid and vapor
H227 - Combustible liquid
H316 - Causes mild skin irritation
H401 - Toxic to aquatic life
H228 - Flammable solid
H371 - May cause damage to organs if inhaled

Classification procedure

Classification according to calculation method of the CLP regulation.

Key literature references and sources for data

IFRA-IOFI Labelling Manual, RIFM/FEMA database, Supplier Information

Issue Date 15-Jun-2020

Revision Date 15-Jun-2020

Revision Note

Not Applicable.

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006**Disclaimer**

This document was prepared to the requirements of the jurisdiction specified in Section 2 above and may not meet regulatory requirements in other countries. The information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations. The mixture must not be used for other uses than those specified in section 1 without having first obtained written handling instructions. It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations. The information in this safety data sheet must be regarded as a description of the safety requirements relating to the mixture and not as a guarantee of the properties thereof.

End of Safety Data Sheet