

SAFETY DATA SHEET

This safety data sheet complies with the requirements of:
Regulation (EC) No. 1907/2006 and Regulation (EC) No. 1272/2008

Issue Date 16-Feb-2011

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Version 38

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

1.1. Product identifier

Product Name Lavender Oil France.

Other means of identification

Product Code 66129/81973
Contains 3,7-Dimethylocta-1,6-dien-3-ol, Linalyl Acetate, 1,8-Epoxy-p-menthane, Caryophyllene

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

Recommended Use No information available

Uses advised against No information available

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

Europe 112

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 sensitisation	Category 1B - (H317)
Chronic aquatic toxicity	Category 3 - (H412)

2.2. Label elements



Signal word

Warning

Hazard statements

H315 - Causes skin irritation

H319 - Causes serious eye irritation

H317 - May cause an allergic skin reaction

H412 - Harmful to aquatic life with long lasting effects

Contains Alpha Pinene, Beta Pinene, Limonene EUH208 - May produce an allergic reaction

Precautionary Statements - EU (§28, 1272/2008)

P280 - Wear eye protection/ face protection

P280 - Wear protective gloves and eye/face protection

P302 + P352 - IF ON SKIN: Wash with plenty of soap and water

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

P332 + P313 - If skin irritation occurs: Get medical advice/attention

P337 + P313 - If eye irritation persists: Get medical advice/attention

P273 - Avoid release to the environment

2.3. Other hazards

No information available

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Chemical Name	EC No	CAS No	Weight-%	Classification according to Regulation (EC) No. 1272/2008 [CLP]	REACH Registration Number
3,7-Dimethylocta-1,6-dien-3-ol	201-134-4	78-70-6	30-45	Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) Skin Sens. 1 (H317)	No data available
Linalyl Acetate	204-116-4	115-95-7	30-45	Skin Irrit. 2 (H315) Skin Sens. 1 (H317) Eye Irrit. 2 (H319)	No data available
1,8-Epoxy-p-menthane	207-431-5	470-82-6	2-5	Skin Sens. 1 (H317) Flam Liq. 3 (H226)	No data available
Camphor	200-945-0	76-22-2	2-5	STOT SE 2 (H371) Acute Tox. 4 (H302) Acute Tox. 4 (H332)	No data available
Caryophyllene	201-746-1	87-44-5	1-2.5	Asp. Tox. 1 (H304) Skin Sens. 1 (H317)	No data available

Myrcene	204-622-5	123-35-3	1-2.5	Asp. Tox. 1 (H304) Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) Flam Liq. 3 (H226) Aquatic Acute 1 (H400) Aquatic Chronic 2 (H411)	No data available
DL Camphor	244-350-4	21368-68-3	1-2.5	STOT SE 2 (H371) Acute Tox. 4 (H302) Acute Tox. 4 (H332)	No data available
Alpha Pinene	201-291-9	80-56-8	0-1	Asp. Tox. 1 (H304) Acute Tox. 4 (H302) Skin Irrit. 2 (H315) Skin Sens. 1 (H317) Flam Liq. 3 (H226) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)	No data available
Beta Pinene	204-872-5	127-91-3	0-1	Asp. Tox. 1 (H304) Skin Irrit. 2 (H315) Skin Sens. 1 (H317) Flam Liq. 3 (H226)	No data available
Limonene	227-813-5	5989-27-5	0-1	Asp. Tox. 1 (H304) Skin Irrit. 2 (H315) Skin Sens. 1 (H317) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410) Flam Liq. 3 (H226)	No data available
Camphene	201-234-8	79-92-5	0-1	Eye Irrit. 2 (H319) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410) Flam Sol. 2 (H228)	No data available
p-Mentha-1,4-diene	202-794-6	99-85-4	0-1	Asp. Tox. 1 (H304) Flam Liq. 3 (H226)	No data available
Para cymene	202-796-7	99-87-6	0-1	Asp. Tox. 1 (H304) Aquatic Chronic 2 (H411) Flam Liq. 3 (H226)	No data available
l-Limonene	227-815-6	5989-54-8	0-1	Asp. Tox. 1 (H304) Skin Irrit. 2 (H315) Skin Sens. 1 (H317) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410) Flam Liq. 3 (H226)	No data available
3-Octanone	203-423-0	106-68-3	0-1	Flam Liq. 3 (H226)	No data available

Full text of H- and EUH-phrases: see section 16

Section 4: FIRST AID MEASURES

4.1. Description of first aid measures

Skin contact	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.
Eye contact	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a doctor.
Inhalation	Remove to fresh air.
Ingestion	Clean mouth with water and drink afterwards plenty of water.

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

Symptoms	Skin disorders. May cause an allergic skin reaction. Liquid, aerosols and vapours of this product are irritating and can cause pain, tearing, reddening and swelling accompanied by a stinging sensation and/or a feeling like that of fine dust in the eyes.
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See Section 11: TOXICOLOGICAL INFORMATION

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

Note to doctors	Treat symptomatically.
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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	Water.

5.2. Special hazards arising from the substance or mixture

Specific hazards arising from the chemical	Thermal decomposition can lead to release of irritating and toxic gases and vapours.
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5.3. Advice for firefighters

Special protective equipment for fire-fighters	Wear self-contained breathing apparatus and protective suit. Use personal protective equipment as required.
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Section 6: ACCIDENTAL RELEASE MEASURES**6.1. Personal precautions, protective equipment and emergency procedures**

Personal precautions	Ensure adequate ventilation, especially in confined areas.
For emergency responders	Use personal protection recommended in Section 8.

6.2. Environmental precautions

See Section 12 for additional ecological information.

6.3. Methods and material for containment and cleaning up

Methods for containment	Prevent further leakage or spillage if safe to do so.
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Methods for cleaning up Soak up with inert absorbent material. Take up mechanically, placing in appropriate containers for disposal.

6.4. Reference to other sections

See section 8 for more information. See section 13 for more information.

Section 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Advice on safe handling Ensure adequate ventilation, especially in confined areas
Use personal protection recommended in Section 8

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice
When using do not eat, drink or smoke

7.2. Conditions for safe storage, including any incompatibilities

Storage Conditions Keep container tightly closed in a dry and well-ventilated place

7.3. Specific end use(s)

No information available.

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Exposure Limits

Chemical Name	European Union	United Kingdom	France	Spain	Germany
Camphor 76-22-2	-	TWA: 2 ppm TWA: 13 mg/m ³ STEL: 3 ppm STEL: 19 mg/m ³	TWA: 2 ppm TWA: 12 mg/m ³	TWA: 2 ppm TWA: 13 mg/m ³ STEL: 3 ppm STEL: 19 mg/m ³	-
Myrcene 123-35-3	-	-	TWA: 1000 mg/m ³ STEL: 1500 mg/m ³	-	-
Alpha Pinene 80-56-8	-	-	TWA: 1000 mg/m ³ STEL: 1500 mg/m ³	TWA: 20 ppm TWA: 113 mg/m ³	-
Beta Pinene 127-91-3	-	-	TWA: 1000 mg/m ³ STEL: 1500 mg/m ³	TWA: 20 ppm TWA: 113 mg/m ³	-
Limonene 5989-27-5	-	-	TWA: 1000 mg/m ³ STEL: 1500 mg/m ³	-	TWA: 5 ppm TWA: 28 mg/m ³ H*
Camphene 79-92-5	-	-	TWA: 1000 mg/m ³ STEL: 1500 mg/m ³	-	-
p-Mentha-1,4-diene 99-85-4	-	-	TWA: 1000 mg/m ³ STEL: 1500 mg/m ³	-	-
Para cymene 99-87-6	-	-	TWA: 150 mg/m ³ TWA: 1000 mg/m ³ STEL: 1500 mg/m ³	-	-
l-Limonene 5989-54-8	-	-	TWA: 1000 mg/m ³ STEL: 1500 mg/m ³	-	-
Chemical Name	Italy	Portugal	Netherlands	Finland	Denmark
Camphor 76-22-2	-	TWA: 2 ppm STEL: 3 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
Alpha Pinene 80-56-8	-	TWA: 20 ppm	-	-	-
Beta Pinene 127-91-3	-	TWA: 20 ppm	-	-	-
Limonene 5989-27-5	-	-	-	TWA: 25 ppm TWA: 140 mg/m ³	-

Chemical Name	Austria	Switzerland	Poland	Norway	Ireland
Para cymene 99-87-6	-	-	-	STEL: 50 ppm STEL: 280 mg/m ³	TWA: 25 ppm TWA: 135 mg/m ³
Camphor 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: 2 ppm STEL: 12 mg/m ³	TWA: 2 ppm TWA: 12 mg/m ³ STEL: 3 ppm STEL: 18 mg/m ³
Myrcene 123-35-3	-	-	-	TWA: 40 ppm TWA: 275 mg/m ³ STEL: 40 ppm STEL: 275 mg/m ³	-
Alpha Pinene 80-56-8	-	-	-	TWA: 25 ppm TWA: 140 mg/m ³ STEL: 25 ppm STEL: 140 mg/m ³ H*	-
Beta Pinene 127-91-3	-	-	-	TWA: 25 ppm TWA: 140 mg/m ³ STEL: 25 ppm STEL: 140 mg/m ³	-
Limonene 5989-27-5	-	TWA: 7 ppm TWA: 40 mg/m ³ STEL: 14 ppm STEL: 80 mg/m ³	-	TWA: 25 ppm TWA: 140 mg/m ³ STEL: 25 ppm STEL: 140 mg/m ³	-
l-Limonene 5989-54-8	-	-	-	TWA: 25 ppm TWA: 140 mg/m ³ STEL: 25 ppm STEL: 140 mg/m ³	-
3-Octanone 106-68-3	TWA: 25 ppm TWA: 130 mg/m ³ STEL 50 ppm STEL 260 mg/m ³	-	-	-	-

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 Avoid contact with eyes. Wear safety glasses with side shields (or goggles).

Hand Protection Wear protective gloves.

Skin and body protection Wear suitable protective clothing.

Respiratory protection None under normal use conditions.

General Hygiene Considerations Regular cleaning of equipment, work area and clothing is recommended

Environmental exposure controls Do not allow into any sewer, on the ground or into any body of water
Local authorities should be advised if significant spillages cannot be contained

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Colour colourless or light green
Physical state liquid

Odour No information available
Odour threshold No information available

Property

<u>Property</u>	<u>Values</u>
pH	No information available
Melting point/freezing point	No information available
Boiling point / boiling range	No information available
Flash point	71 °C / 159.8 °F
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
Vapour pressure	No information available
Vapour density	No information available
Specific Gravity	No information available
Water solubility	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
Oxidising properties	No information available

9.2. Other information

Softening point	No information available
Molecular weight	No information available
VOC Content (%)	No information available
Density	0.892 @ 20 °C
Bulk density	No information available

Section 10: STABILITY AND REACTIVITY**10.1. Reactivity**

No data available.

10.2. Chemical stability

Stable under recommended storage conditions.

10.3. Possibility of hazardous reactions

None under normal processing.

10.4. Conditions to avoid

Heat, flames and sparks
 Exposure to air or moisture over prolonged periods

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

Acute toxicity

Inhalation	No known effect.
Eye contact	Irritating to eyes.
Skin contact	No known effect.
Ingestion	No known effect.

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
3,7-Dimethylocta-1,6-dien-3-ol	= 2790 mg/kg (Rat)		
Linalyl Acetate	= 13934 mg/kg (Rat)		
1,8-Epoxy-p-menthane	= 2480 mg/kg (Rat)		
Camphor	500 mg/kg (Rat)		
Myrcene	> 5 g/kg (Rat)	> 5 g/kg (Rabbit)	
DL Camphor	1500 mg/kg (Rat)		
Alpha Pinene	= 500 mg/kg (Rat)		
Limonene		> 5 g/kg (Rabbit)	
Camphene	> 5 g/kg (Rat)		17100 mg/m ³ (Rat) 1 h
p-Mentha-1,4-diene	= 3650 mg/kg (Rat)		
Para cymene	3669 mg/kg (Rat)		

Numerical measures of toxicity - Product Information

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

ATEmix (oral)	4,460.00
ATEmix (dermal)	6,329,114.00
ATEmix (inhalation-dust/mist)	43.00

Unknown acute toxicity

Unknown acute toxicity

0% of the mixture consists of ingredient(s) of unknown toxicity.

Acute oral toxicity

0 % of the mixture consists of ingredient(s) of unknown acute oral toxicity

Acute dermal toxicity

0 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity

Acute inhalation toxicity - gas

0 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)

Acute inhalation toxicity - Vapour

0 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapour)

Acute inhalation toxicity - dust/mist

0 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

Symptoms

Skin disorders

May cause an allergic skin reaction

Liquid, aerosols and vapours of this product are irritating and can cause pain, tearing, reddening and swelling accompanied by a stinging sensation and/or a feeling like that of fine dust in the eyes

Section 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Ecotoxicity

Toxic to aquatic life with long lasting effects

0% of the mixture consists of components(s) of unknown hazards to the aquatic environment

Chemical Name	Algae/aquatic plants	Fish	Crustacea
3,7-Dimethylocta-1,6-dien-3-ol	88.3: 96 h <i>Desmodesmus subspicatus</i> mg/L EC50	-	20: 48 h <i>Daphnia magna</i> mg/L EC50

Limone	-	0.619 - 0.796: 96 h Pimephales promelas mg/L LC50 flow-through 35: 96 h Oncorhynchus mykiss mg/L LC50	-
Camphene	1000: 72 h Desmodemus subspicatus mg/L EC50	0.72: 96 h Brachydanio rerio mg/L LC50 flow-through 150: 96 h Brachydanio rerio mg/L LC50 static	22: 48 h Daphnia magna mg/L EC50

12.2. Persistence and degradability

No information available.

12.3. Bioaccumulative potential

Chemical Name	Partition coefficient
3,7-Dimethylocta-1,6-dien-3-ol	3.1
Linalyl Acetate	4.75
1,8-Epoxy-p-menthane	2.97
Camphor	3.56
Caryophyllene	1.648
Alpha Pinene	4.1
Beta Pinene	4.315
Limone	5.053
Camphene	4.008
p-Mentha-1,4-diene	2.36
Para cymene	4.1
l-Limone	4.57
3-Octanone	2.506 (est)

12.4. Mobility in soil

No information available.

12.5. Results of PBT and vPvB assessment

No information available.

12.6. Other adverse effects

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.

Section 14: TRANSPORT INFORMATION

IMDG

14.1 UN/ID no	Not regulated
14.2 Proper shipping name	Not regulated
14.3 Hazard Class	Not regulated
14.4 Packing Group	Not regulated
14.5 Marine pollutant	Not applicable

14.6 Special Provisions None

ADR/RID

14.1 UN/ID no Not regulated
 14.2 Proper shipping name Not regulated
 14.3 Hazard Class Not regulated
 14.4 Packing Group Not regulated
 14.5 Environmental hazard Not applicable
 14.6 Special Provisions None

IATA

14.1 UN/ID no Not regulated
 14.2 Proper shipping name Not regulated
 14.3 Hazard Class Not regulated
 14.4 Packing Group Not regulated
 14.5 Environmental hazard Not applicable
 14.6 Special Provisions None

Section 15: REGULATORY INFORMATION

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

Chemical Name	French RG number	Title
Limonene 5989-27-5	RG 84	-
l-Limonene 5989-54-8	RG 84	-
3-Octanone 106-68-3	RG 84	-

Water hazard class (WGK) Not determined

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

Ozone-depleting substances (ODS) regulation (EC) 1005/2009 Not applicable

International Inventories

TSCA Does not comply
DSL/NDSL Complies
EINECS/ELINCS Complies
ENCS Complies
IECSC Complies
KECL Does not comply
PICCS Does not comply
AICS Does not comply

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances
AICS - Australian Inventory of Chemical Substances

15.2. Chemical safety assessment

No information available

Section 16: OTHER INFORMATION

Emergency telephone number

Global / English speaking counties : NCEC +44 1865 407333
Latin Americas : NCEC +1 215 207 0061
United States / Canada : NCEC +1 202 464 2554
Mexico: NCEC +52 55 5004 8763
Brazil: NCEC +55 11 3197 5891
Chile: NCEC +56 2 2582 9336
Columbia: NCEC +57 1 508 737
Argentina: NCEC + 54 11 5984 3690
China: NCEC +86 512 8090 3042
China (Mainland): NRCC +86 532 8388 9090
Australia: NCEC +61 2 8014 4558
New Zealand: NCEC +64 9 929 1483

Key or legend to abbreviations and acronyms used in the safety data sheet

Full text of H-Statements referred to under section 3

H226 - Flammable liquid and vapour
H315 - Causes skin irritation
H317 - May cause an allergic skin reaction
H319 - Causes serious eye irritation
H304 - May be fatal if swallowed and enters airways
H400 - Very toxic to aquatic life
H411 - Toxic to aquatic life with long lasting effects
H371 - May cause damage to organs if inhaled
H302 - Harmful if swallowed
H332 - Harmful if inhaled
H410 - Very toxic to aquatic life with long lasting effects
H228 - Flammable solid

Legend

SVHC: Substances of Very High Concern for Authorisation:

Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value	*	Skin designation

Issue Date	16-Feb-2011
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Revision Note	No information available.

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

Disclaimer

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet