

 BONTOUX DEPUIS 1898	SAFETY DATA SHEET	Date : 12/01/10
		Version : 13G
		Revision : 12/13/21
		Replace : 03/24/21
Lemon Oil Italian (1SC 10474)		

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

1.1 Product identifier

Lemon Oil Italian (1SC 10474)

CAS N° :

8008-56-8 (Lemon oil)

EC N° :

284-515-8

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

Relevant identified uses

For industrial use only.

1.3 Details of the supplier of the safety data sheet

Manufacturer/supplier

BONTOUX, Inc.
21 Progress
08820 Edison, New Jersey
United States of America
Ph: 908-755-4800
Fax : 908-755-4844
24 hours emergency telephone number (CHEMTREC) : 800-424-9300

1.4 Emergency telephone number

ORFILA (INRS) +33.(0)1.45.42.59.59 (24h/24h - 7j/7j)

US: 1-800-424-9300 24hours Emergency Chemtrec

应急电话: +8675583556903

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

2.1.1 Classification according to GHS

Physical hazard : FL 3
Health Hazards : AH 1,REP 2,SCI 2,SS 1
Environmental Hazards : EH-A 2,EH-C 2

2.1.2 Additional information

The content and format of this safety data sheet are in accordance with EC Regulation No. 2020|878 of the European Parliament and Council

2.2 Label elements

Hazard pictograms



Signal word

DANGER

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Hazard statements	<p>H226 Flammable liquid and vapour. H304 May be fatal if swallowed and enters airways. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H361 Suspected of damaging fertility or the unborn child. H401 Toxic to aquatic life. H411 Toxic to aquatic life with long lasting effects.</p>
Precautionary statements	<p>P201 Obtain special instructions before use. P202 Do not handle until all safety precautions have been read and understood. P210 Keep away from heat, sparks, open flames or hot surfaces. – No smoking. P233 Keep container tightly closed. P240 Ground/bond container and receiving equipment. P241 Use explosion-proof electrical, ventilating, lighting, communication, equipment. P242 Use only non-sparking tools. P243 Take precautionary measures against static discharge. P261 Avoid breathing dust, fume, gas, mist, vapours, spray. P264 Wash parts in contact thoroughly after handling. P272 Contaminated work clothing should not be allowed out of the workplace. P273 Avoid release to the environment. P280 Wear protective gloves, protective clothing, eye protection, face protection. P281 Use personal protective equipment as required. P301+P310 IF SWALLOWED : Immediately call a POISON CENTER or doctor/physician. P302+P352 IF ON SKIN : Wash with plenty of soap and water. P303+P361+P353 IF ON SKIN (or hair) : Remove immediately all contaminated clothing. Rinse skin with water/shower. P308+P313 IF exposed or concerned : Get medical advice. P321 Specific treatment. P331 Do NOT induce vomiting. P332+P313 If skin irritation occurs : Get medical advice. P333+P313 If skin irritation or rash occurs : Get medical advice. P362 Take off contaminated clothing and wash before reuse. P363 Wash contaminated clothing before reuse. P370+P378 In case of fire : Use CO2 foam, dry chemical for extinction. P391 Collect spillage. P403+P235 Store in well-ventilated place. Keep cool. P405 Store locked up. P501 Dispose of contents and/or container in accordance with local, regional, national and/or international regulation.</p>

2.3 Other hazards

This substance or mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB) at level of 0.1% or higher.

This substance or mixture has no known endocrine disrupting properties.

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SECTION 3: Composition/information on ingredients

3.1 SUBSTANCE

INGREDIENT CONTRIBUTING TO THE HAZARD	CONTENT
Limonene (CAS : 138-86-3) GHS : EH-A 1 - H400, EH-C 1 - H410, FL 3 - H226, SCI 2 - H315, SS 1B - H317	55% - 90%
Pinenes (CAS : 80-56-8(alpha)+127-91-3(beta)) GHS : AH 1 - H304, ATO 4 (500) - H302, EH-A 1 - H400, EH-C 1 - H410, FL 3 - H226, SCI 2 - H315, SS 1B - H317	7% - 20%
Gamma terpinene (CAS : 99-85-4) GHS : AH 1 - H304, ATO 5 (3,850) - H303, FL 3 - H226, REP 2 - H361, SCI 3 - H316	6% - 12%
Citral (CAS : 5392-40-5) GHS : ATD 5 (2,250) - H313, EDI 2A - H319, EH-A 2 - H401, SCI 2 - H315, SS 1 - H317	0.5% - 4%
Myrcene (CAS : 123-35-3) GHS : AH 1 - H304, EDI 2A - H319, EH-A 1 - H400, EH-C 2 - H411, FL 3 - H226, SCI 2 - H315	~ 1.8 %
Geranyl acetate (CAS : 105-87-3) GHS : EH-A 2 - H401, EH-C 3 - H412, SCI 2 - H315, SS 1B - H317	0.1% - 0.8%
alpha terpineol (CAS : 98-55-5) GHS : ATO 5 (4,300) - H303, EDI 2A - H319, EH-A 3 - H402, FL 4 - H227, SCI 2 - H315	<0.6%
Bisabolene (CAS : 495-61-4) GHS : AH 1 - H304, ATI 4 (1.5) - H332, EH-A 2 - H401, EH-C 2 - H411, SCI 2 - H315, SS 1B - H317	~ 0.5 %
Beta caryophyllene (CAS : 87-44-5) GHS : AH 1 - H304, EH-C 4 - H413, SS 1B - H317	<0.5%
Terpinolene (CAS : 586-62-9) GHS : AH 1 - H304, ATO 5 (3,775) - H303, EH-A 1 - H400, EH-C 1 - H410, FL 4 - H227, SCI 3 - H316, SS 1B - H317	~ 0.5 %
Para cymene (CAS : 99-87-6) GHS : AH 1 - H304, ATI 3 (3,000) - H331, EH-C 2 - H411, FL 3 - H226	<0.4%
Citronellal (CAS : 106-23-0) GHS : ATD 5 (2,500) - H313, ATO 5 (2,500) - H303, EDI 2A - H319, EH-A 2 - H401, FL 4 - H227, SCI 2 - H315, SS 1B - H317	~ 0.2 %
Geraniol (CAS : 106-24-1) GHS : ATO 5 (3,600) - H303, EDI 1 - H318, EH-A 3 - H402, SCI 2 - H315, SS 1 - H317	<0.1%

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SECTION 4: First-aid measures

4.1 Description of first aid measures

Ingestion	Do not try to vomit. Rinse mouth. Consult a doctor.
Eye contact	Wash immediately and abundantly the eyes with a good running water at low pressure. Consult an ophthalmologist.
Skin contact	Sprinkle abundantly with water during at least 15 minutes.
Inhalation	Remove victim to fresh air

4.2 Most important symptoms and effects, both acute and delayed

H304 May be fatal if swallowed and enters airways.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H361 Suspected of damaging fertility or the unborn child.
H226 Flammable liquid and vapour.

4.3 Indication of any immediate medical attention and special treatment needed

No data available.

SECTION 5: Fire fighting measures

5.1 Extinguishing media

SUITABLE : CO2 foam, dry chemical.
NON SUITABLE : Water.

5.2 Special hazards arising from the substance or mixture

None.

5.3 Advice for firefighters

No specific advice.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Protective equipment: Avoid all contact with eyes and mucous.

Emergency procedures:

For emergency responders

6.2 Environmental precautions

Don't throw it in sewer nor in natural environment.

6.3 Methods and material for containment and cleaning up

For containment:

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For cleaning up:

Recover in a tight container.
Wash with plenty of water after complete elimination of the product.

Other information:

6.4 Reference to other sections

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Protective measures:	Avoid contact with eyes and mucous.
Measures to prevent fire:	No data available.
Measures to prevent aerosol and dust generation:	No data available.
Measures to protect the environment:	No data available.
Advice on general occupational hygiene:	No data available.

7.2 Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions:

Keep away from humidity in a fresh place. Keep container closed after using.

Packaging materials:
Requirements for storage rooms and vessels:
Storage class: further information on storage conditions:

7.3 Specific end use(s)

Recommendations:	No particular use is planned.
Industrial sector specific solutions:	No particular use is planned.

SECTION 8: Exposure controls / personal protection

8.1 Control parameters

See Section 2

8.2 Exposure controls

Appropriate engineering controls

Personal protection equipment

Eye and face protection:	Goggles giving complete protection to eyes. Eyewash bottle with clean water.
Skin protection:	Clothes for chemical protection to avoid contact.
Hand protection :	Plastic or synthetic rubber impermeable gloves.
Ingestion :	Do not eat, drink and smoke while using
Respiratory protection :	Assure a good ventilation of work place.

Thermal hazards:

Environmental exposure controls



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Industrial hygiene :

Provide an extraction or global ventilation of the work place to reduce concentrations of the steams.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state:	Mobile liquid
Color :	Colorless to greenish-yellow
Odor :	Sweet fresh pleasant reminiscent of the ripe peel of the fruit.
Melting point :	No data available.
Boiling point :	175 °C / 347 °F
Flammability :	SLIGHT HAZARD
Lower flammability limit:	No data available.
Upper flammability limit:	No data available.
Flash point (closed cup) :	48 °C / 118.4 °F
Auto-ignition temperature:	No data available.
Decomposition temperature:	No data available.
pH :	No data available.
Viscosity, kinematic:	No data available.
Water solubility:	Insoluble
Partition coefficient n-octanol/water:	No data available.
Vapour pressure :	~1.0 mm Hg @ 20°C
Vapor density :	No data available.
Specific gravity 20/20°C:	0.840
9.2 Other information:	No data available.

SECTION 10: Stability and reactivity

10.1 Reactivity :	No data available.
10.2 Chemical stability :	Good stability at standard temperature
10.3 Possibility of hazardous reaction:	Good stability at standard temperature.
10.4 Conditions to avoid :	Excessive heat.
10.5 Incompatible materials:	Strongly oxidising and reducing agents.
10.6 Hazardous decomposition products:	No hazardous decomposition products if stored and handled properly.

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SECTION 11: Toxicological information

11.1 Information on hazard classes

Ingestion :	No data available.
Skin contact	No data available.
Eye contact :	No data available.
Inhalation :	No data available.
Aspiration :	Aspiration hazard
Specific effects :	No data available.

11.2 Information on other hazards

This substance or mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB) at level of 0.1% or higher.

This substance or mixture has no known endocrine disrupting properties.

SECTION 12: Ecological information

12.1 Toxicity :	See Section 2
12.2 Persistence and degradability:	
Data	No data available.
Code	No data available.
Percentage	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:	See Section 2.3.
12.6 Endocrine disrupting properties:	No data available.
12.7 Other adverse effects:	Not known.
WGK	2

SECTION 13: Disposal consideration

13.1 Waste treatment methods:

Product / packaging disposal:	To comply with the regulations and prefectoral orders in use. Throwing out forbidden. Packaging must be well emptied
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SECTION 14: Transport information measures

ROAD (ADR)

14.1 UN number or ID number UN 1169
14.2 UN proper shipping name RID / ADR
14.3 Transport hazard class(es) 3
14.4 Packing group III
 Tunnel code : (D/E)

ROAD (DOT)

14.1 UN number OR ID number UN 1169
14.2 UN proper shipping name DOT
14.3 Transport hazard class(es) 3
14.4 Packing group III
 Tunnel code : (D/E)

ROAD NON-BULK (DOT)

Not Regulated

SEA (IMDG)

14.1 UN number or ID number UN 1169
14.2 UN proper shipping name IMCO / IMDG
14.3 Transport hazard class(es) 3
14.4 Packing group III
 EmFS : F-E, S-D

AIR (IATA)

14.1 UN number or ID number UN 1169
14.2 UN proper shipping name IATA / OACI
14.3 Transport hazard class(es) 3
14.4 Packing group III
 Traveller airplane packing instruction : 355
 Traveller airplane maximum quantity : 60 L
 Cargo airplane packing instruction: 366
 Cargo airplane maximum quantity: 220 L

14.5 Labelling according to RID / ADR, IMCO / IMDG, OACI / IATA

Shipping name: UN 1169, EXTRACTS, AROMATIC, LIQUID

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14.6. Special precautions for user

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

Guidance on the compilation of safety data sheets

Authorisations and/or restrictions on use:

Authorisations:

Restrictions on use:

Other eu regulations:

Information according 1999/13/ec about limitation of emissions of volatile organic compounds (voc-guideline)

National regulations (Germany):

WGK : 2

Restrictions of occupation:

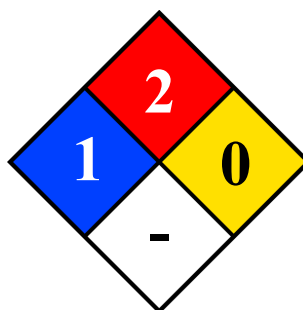
15.2 Chemical safety assessment:

No chemical safety assessment: No chemical safety assessment has been conducted for this substance/mixture by the supplier.

OTHER CLASSIFICATIONS :

DOT classification : Unknown

NFPA classification :



NIOSH : No data available.

Threshold limit value - TLV : No data available.

Osha permissible exposure limit - PEL : No data available.

IAS the substance been listed as carcinogen : No data available.

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SARA 313 :

No data available.

SECTION 16: Other information

Indication of changes: (Sections) 3

Key literature references and sources for data:

Classification and procedure used to derive the classification for mixtures according to regulation :

The content and format of this safety data sheet are in accordance with EC Regulation No. 2020|878 of the European Parliament and Council

Data source: LABELLING MANUAL 2021

Respect safety measures usually applied during the production of our products.

This data sheet completes the technical use notice, but doesn't replace it. These information are based on our actual knowledge for the above mentioned product at the edition date of this data sheet. They are given in good faith.

In any case user is not exempted to know and apply all texts which regulate this activity. He will take under his own responsibility the precautions for the utilisation of product he knows. Users should be aware of the other purposes than those for which it is concerned.