

 Bontoux, Inc.	<h1>SAFETY DATA SHEET</h1>	Date : 06/08/15
		Version : 1G
		Revision :
		Replace :
Lemongrass Oil Natural		Page : 1/8

1 . PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME :	Lemongrass Oil Natural
REACH REGISTRATION NUMBER :	
TYPE OF PRODUCT :	Essential Oil
CHEMICAL NAME :	Cymbopogon citratus DC. / Stapf.
CAS NUMBER :	8007-02-1
EINECS NUMBER :	289-752-0
CAS EINECS :	89998-14-1
FEMA NUMBER :	2624
INCI NAME :	CYMBOPOGON CITRATUS LEAF OIL
IDENTIFICATION OF USAGE :	Industrial
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

2. HAZARDS IDENTIFICATIONS

CLASSIFICATION ACCORDING TO GHS REGULATION :

Physical hazard : FL 4
 Health Hazards : ATD 5, EDI 1, SCI 2, SS 1
 Environmental Hazards : EH-A 2, EH-C 3



WORDS OF WARNING:
 PARTICULAR RISKS :

DANGER

H227 Combustible liquid.
 H313 May be harmful in contact with skin.
 H315 Causes skin irritation.
 H317 May cause an allergic skin reaction.
 H318 Causes serious eye damage.
 H401 Toxic to aquatic life.
 H412 Harmful to aquatic life with long lasting effects.

	SAFETY DATA SHEET	Date : 06/08/15
		Version : 1G
		Revision :
		Replace :
Lemongrass Oil Natural		Page : 2/8

PRECAUTIONARY STATEMENT
PREVENTION :

P210 Keep away from heat, sparks, open flames or hot surfaces. – No smoking.
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.

PRECAUTIONARY STATEMENT
RESPONSE :

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.
P310 Immediately call a POISON CENTER or doctor/physician.
P312 Call a POISON CENTER or doctor if you feel unwell.
P321 Specific treatment.
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.

PRECAUTIONARY STATEMENT
STORAGE :

P403+P235 Store in well-ventilated place. Keep cool.

PRECAUTIONARY STATEMENT
DISPOSAL :

P501 Dispose of contents and/or container in accordance with local, regional, national and/or international regulation.

PARTICULAR MENTION :

Not available.

OTHERS :

Not available.

LIMITS OF EXPOSURE :

Not available.

 Bontoux, Inc.	SAFETY DATA SHEET	Date : 06/08/15
		Version : 1G
		Revision :
		Replace :
Lemongrass Oil Natural		Page : 3/8

3. COMPOSITION INFORMATION

INGREDIENT CONTRIBUTING TO THE HAZARD	CONTENT
Citral (CAS : 5392-40-5) 1999/45/CE : Xi;R38;R43;S24/25;S37 GHS : ATD 5 (2,250), EDI 2A, EH-A 2, FL 4, SCI 2, SS 1	~ 80 %
Geraniol (CAS : 106-24-1) 1999/45/CE : Xi;R38;R41;R43;S24;S26;S37;S39 GHS : ATO 5 (4,200), EDI 1, EH-A 2, SCI 2, SS 1	~ 7 %
Limonène (CAS : 138-86-3) 1999/45/CE : N;XN;R10;R38;R43;R50/53;R65;S02;S24;S37;S60;S61;S62 GHS : AH 1, EH-A 1, EH-C 1, FL 3, SCI 2, SS 1	~ 4 %
Geranyl acetate (CAS : 105-87-3) 1999/45/CE : N;Xi;R38;R43;R51/53;S24;S37;S57;S60;S61 GHS : EH-A 2, EH-C 3, SCI 2, SS 1	~ 3 %
Methylheptenone (CAS : 110-93-0) 1999/45/CE : R10; GHS : FL 3	~ 2 %
Beta caryophyllene (CAS : 87-44-5) 1999/45/CE : Xn;R65;S62 GHS : AH 1, SCI 3	~ 1.5 %
Linalol (CAS : 78-70-6) 1999/45/CE : Xi;R38;S24;S37 GHS : ATO 5 (2,790), EDI 2A, EH-A 3, FL 4, SCI 2	~ 1 %

4. 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

5. FIRE FIGHTING

EXTINGUISHING MEDIA : *SUITABLE* : CO2 foam, dry chemical.
 NON SUITABLE : Water.
 SPECIFIC METHODS OF FIRE FIGHTING :
 None.
 SPECIAL EQUIPMENT FOR THE PROTECTION OF FIRE FIGHTERS :
 No.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS : Avoid all contact with eyes and mucous.

	SAFETY DATA SHEET	Date : 06/08/15
		Version : 1G
		Revision :
		Replace :
Lemongrass Oil Natural		Page : 4/8

ENVIRONNEMENTAL PRECAUTIONS : Don't throw it in sewer nor in natural environment.

METHODS FOR CLEANING-UP : Recover in a tight container.
Wash with plenty of water after complete elimination of the product.

7. HANDLING AND STORAGE

HANDLING : Avoid contact with eyes and mucous.

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

OTHER : See Section 8.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

RESPIRATORY PROTECTION : Assure a good ventilation of work place.

HAND PROTECTION : Plastic or synthetic rubber impermeable gloves.

EYE PROTECTION : Goggles giving complete protection to eyes. Eyewash bottle with clean water.

SKIN AND BODY PROTECTION : Clothes for chemical protection to avoid contact.

INGESTION : Do not eat, drink and smoke while using

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

9. PHYSICAL AND CHEMICAL PROPERTIES

FORM : Liquid

COLOR : Pale yellow to dark brown

ODOR : Fresh, lemon-type

ODOR THRESHOLD : Data not found

pH : Data not found

MELTING POINT : Data not found

BOILING POINT : Data not found

FLASHPOINT (closed cup) : 87 °C / 188.6 °F

EVAPORATION RATE: Data not found

FLAMMABILITY : Data not found

EXPLOSIVE LIMITS : Data not found

VAPOR PRESSURE : ~0.05 mm Hg 20C

VAPOR DENSITY : Data not found

SPECIFIC GRAVITY : 0.89

SOLUBILITY IN WATER : Insoluble

Log K (n-octanol/water) : Data not found

AUTOIGNITION TEMP. : Data not found

DECOMPOSITION TEMP. : Data not found

	SAFETY DATA SHEET	Date : 06/08/15
		Version : 1G
		Revision :
		Replace :
Lemongrass Oil Natural		Page : 5/8

VISCOSITY : Data not found
 EXPLOSIVE PROPRIETIES: Data not found
 OXIDIZING PROPRIETIES: Data not found
 OTHER DATA : Data not found

10. STABILITY AND REACTIVITY

REACTIVITY : No data available.
 CHEMICAL STABILITY : No data available.
 POSSIBILITY OF HAZARDOUS REACTION : None in normal conditions.
 CONDITIONS TO AVOID : Excessive heat.
 INCOMPATIBLE MATERIALS: Strongly oxidising and reducing agents.
 HAZARDOUS DECOMPOSITION PRODUCTS : None in normal conditions.
 OTHERS : None.

11. TOXICOLOGICAL INFORMATION

INGESTION : Can be noxious.
 SKIN CONTACT Acute toxicity, dermal
 DL50 (mg/Kg) : 2,800
 EYE CONTACT : Serious eye damage/eye irritation
 INHALATION : No specific hazard in normal use.
 ASPIRATION : Can be noxious
 SPECIFIC EFFECTS : No information available.

12. ECOLOGICAL INFORMATION

TOXICITY : See Section 2
 PERSISTENCE / DEGRADABILITY : No information available.
 BIOACCUMULATION POTENTIAL : No information available.
 RESULTS OF PBT AND vPvB ASSESSMENT : No information available.
 MOBILITY IN SOIL : No information available.
 WGK : 2
 OTHER ADVERSE EFFECTS : Not known.

13. DISPOSAL CONSIDERATION

To comply with the regulations and prefectoral orders in use.
 Throwing out forbidden. Packaging must be well emptied

	SAFETY DATA SHEET	Date : 06/08/15
		Version : 1G
		Revision :
		Replace :
Lemongrass Oil Natural		Page : 6/8

14. TRANSPORT INFORMATION MEASURES

RID / ADR

CLASS : 9
 SUBSIDIARY RISK :
 UN NUMBER : UN 3082
 PACKING GROUP : III
 TUNNEL CODE : (E)

IMCO / IMDG

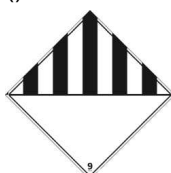
CLASS : 9
 SUBSIDIARY RISK :
 UN NUMBER : UN 3082
 PACKING GROUP : III
 EmFS : F-A, S-F

OACI / IATA

CLASS : 9
 SUBSIDIARY RISK :
 UN NUMBER : UN 3082
 PACKING GROUP : III
 TRAVELLER AIRPLANE PACKING INSTRUCTION : 964
 TRAVELLER AIRPLANE MAXIMUM QUANTITY : 450 L
 CARGO AIRPLANE PACKING INSTRUCTION : 964
 CARGO AIRPLANE MAXIMUM QUANTITY : 450 L

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

SHIPPING NAME : UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S
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	SAFETY DATA SHEET	Date : 06/08/15
		Version : 1G
		Revision :
		Replace :
Lemongrass Oil Natural		Page : 7/8

15. REGULATORY INFORMATION

LABELLING ACCORDING TO GHS REGULATION :

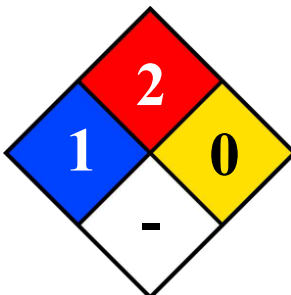
Physical hazard : FL 4
 Health Hazards : ATD 5,EDI 1,SCI 2,SS 1
 Environmental Hazards : EH-A 2,EH-C 3



WORDS OF WARNING:	DANGER
PARTICULAR RISKS :	H227 Combustible liquid. H313 May be harmful in contact with skin. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H318 Causes serious eye damage. H401 Toxic to aquatic life. H412 Harmful to aquatic life with long lasting effects.
PRECAUTIONARY STATEMENT PREVENTION :	P273 Avoid release to the environment. P280 Wear protective gloves, protective clothing, eye protection, face protection.
PRECAUTIONARY STATEMENT RESPONSE :	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.
PRECAUTIONARY STATEMENT DISPOSAL :	P501 Dispose of contents and/or container in accordance with local, regional, national and/or international regulation.
PARTICULAR MENTION :	Not available.
OTHERS :	Not available.
LIMITS OF EXPOSURE :	Not available.

OTHER CLASSIFICATIONS :

DOT CLASSIFICATION : -
 NFPA CLASSIFICATION :



NIOSH : Not available

 Bontoux, Inc.	<h2 style="margin: 0;">SAFETY DATA SHEET</h2>	Date : 06/08/15
		Version : 1G
		Revision :
		Replace :
Lemongrass Oil Natural		Page : 8/8

THRESHOLD LIMIT VALUE - TLV : Not available
 OSHA PERMISSIBLE EXPOSURE LIMIT - PEL : Not available
 IAS THE SUBSTANCE BEEN LISTED AS CARCINOGEN : Not available
 SARA 313 : Not available

16. OTHER INFORMATION

OTHER INVENTORIES

Country	Nom inventaire	Datas	Number
AUSTRALIA	AICS	Listé	
EUROPE	COE	Listé	38n
CANADA	DSL	Listé	
TAIWAN	ECN	Listé	
JAPAN	ENCS	Listé	
USA	FDA	Listé	182.20
CHINA	IESC	Listé	25348
JAPAN	ISHL	Listé	19419
SOUTH KOREA	KECI	Listé	KE-27014
NEW ZEALAND	NZIoC	Listé	
THE PHILIPPINES	PICCS	Listé	
USA	TSCA	Listé	

The content and format of this safety data sheet are in accordance with EC Regulation No. 1907/2006 of the European Parliament and Council

Respect safety measures usually applied during the production of perfumery 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.