

SAFETY DATA SHEET

Revision date: 12/16/2025

SECTION 1: PRODUCT / SUBSTANCE IDENTIFICATION

PRODUCT NAME	:	Lemon Essential Oil
BOTANICAL NAME	:	<i>Citrus limonum</i>
COUNTRY OF ORIGIN	:	Mexico
CAS NUMBER	:	8008-56-8
EC NUMBER	:	284-515-8
SUPPLIER	:	Handcraft Blends
ADDRESS	:	1900 Glades Rd. Fl 4 Suite 500-26, Boca Raton, Florida 3341-7378
TELEPHONE NUMBER	:	438-506-9497
EMERGENCY NUMBER	:	438-509-7276

SECTION 2: HAZARD IDENTIFICATION

2.1 CLASSIFICATION OF THE SUBSTANCE

CLASSIFICATION ACCORDING TO THE REGULATION (EC) NO 1272/2008

FLAMMABLE LIQUIDS	:	Category 3, H226
SKIN CORROSION/IRRITATION	:	Category 2, H315
SKIN SENSITIZATION	:	Category 1, H317
ASPIRATION HAZARD	:	Category 1, H304

HAZARDOUS TO THE AQUATIC ENVIRONMENT

: Acute hazard, Category acute 1

HAZARDOUS TO THE AQUATIC ENVIRONMENT

: Long term hazard, Category chronic 1, H410

2.2 LABEL ELEMENTS



SIGNAL WORD

: Danger

2.3 HAZARD STATEMENTS

H226

: Flammable liquid and vapor

H304

: May be fatal if swallowed and enters airways

H315

: Causes skin irritation

H320

: Causes eye irritation

H317

: May cause an allergic skin reaction

H410

: Very toxic to aquatic life with long lasting effects

PRECAUTIONARY STATEMENTS

P210

: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking

P280

: Wear protective gloves/protective clothing/eye protection/face protection

P301 + P310

: If swallowed, immediately call a poison center/door

P331

: Do not induce vomiting

P333 + P313

: If skin irritation or rash occurs, get medical advice/attention

P305 + P351 + P338	:	If in contact with eyes, rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P501	:	Dispose of contents/container to an approved waste disposal plant

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 SUBSTANCES

CONCENTRATION RANGE OF THE CONSTITUENT (%WEIGHT/WEIGHT)	EC NUMBER / REGISTRATION NUMBER	CAS	CHEMICAL NAME
100%	284-515-8	8008-56-8	Citrus limonum Oil
<71.00	5989-27-5	227-813-5	(R)-p-Mentha-1,8- diene
<16.50	127-91-3	204-872-5	Pin-2(10)-ene
<12.00	99-85-4	202-794-6	p-Mentha-1,4-diene
<5.00	123-35-3	204-622-5	7-methyl-3-methyleneocta-1,6-diene
<3.00	7785-26-4	232-077-3	(-)-Pin-2(3)-ene
<3.00	5392-40-5	226-394-6	Citral
<1.00	106-24-1	203-377-1	Geraniol
<1.00	106-25-2	203-378-7	Nerol
<1.00	78-70-6	201-134-4	Linalool
<1.00	99-87-6	202-796-7	P-cymene
<1.00	586-62-9	209-578-0	p-Mentha-1,4(8)- diene
<1.00	105-87-3	203-341-5	Gernayl acetate
<1.00	87-44-5	201-746-1	Caryophyllene
<1.00	98-55-5	202-680-6	P-menth-1-en-8-ol
<1.00	99-86-5	202-795-1	p-mentha-1,3-diene
<0.90	495-62-5	207-805-8	Bisabolene & Farnesene Isomers
<0.50	106-23-0	203-376-6	Citronellal
<0.50	124-19-6	204-688-5	Nonanal

SECTION 4: FIRST AID MEASURES

4.1 EYE CONTACT

Remove contact lenses if easily possible. Immediately flush your eyes with plenty of cool water for at least 15 minutes. Get medical attention if irritation occurs.

SKIN CONTACT

Remove contaminated clothing. Wash the area with soap and water. If irritation occurs, get medical attention.

INHALATION

If inhaled. Remove person to fresh air. Get medical attention if symptoms appear.

INGESTION

Seek medical attention or contact local poison control center.

4.2 MOST IMPORTANT SYMPTOM AND EFFECTS, BOTH ACUTE AND DELAYED

May produce an allergic reaction (rash, urticaria). May cause cancer or increase its incidence. Read label before use.

4.3 INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

N/A

SECTION 5: FIRE FIGHTING MEASURES

5.1 SUITABLE EXTINGUISHING MEDIA

Foam. Dry Powder. Carbon dioxide.

UNSUITABLE EXTINGUISHING MEDIA

Water spray, water jet.

5.2 SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIRE-FIGHTERS

Wear proper protective equipment. Exercise caution when fighting any chemical fire. Use water spray or fog for cooling exposed containers. Closed containers may build up pressure at elevated temperatures. Avoid inhalation of fumes or vapors. Use appropriate respiratory protection. Prevent run-off from fighting to enter drains or water courses.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT, AND EMERGENCY PROCEDURES

Do not smoke and do not expose product to open flame or potential source of ignition. Wear appropriate gloves to prevent skin exposure and respiratory protection equipment may be necessary. (Waterproof boots, suitable protective clothing, safety glasses). Prevent any contact with hot surfaces. Do not approach facing the wind.

6.2 ENVIRONMENTAL PRECAUTIONS

Keep away from drains, surface, and groundwater soil.

6.3 METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP

Clean up any spills as soon as possible, using a non-combustible absorbent material (e.g. dry-lime, sand, soda ash) to collect it. Use suitable disposal containers. Ventilate the area and wash spill site after pickup. Dispose of it in accordance with current laws and regulations.

SECTION 7: HANDLING AND STORAGE

7.1 PRECAUTIONS FOR SAFE HANDLING

No direct lighting. No smoking. Keep away from food, drink and animal feeding stuffs. Avoid contact with skin and eyes. Ensure prompt removal from eyes, skin and clothing. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Handle in accordance with good industrial hygiene and safety procedures.

7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

Containers should be kept closed in order to minimize contamination. Store in a cool, dry, well ventilated place protected from light. Keep away from extreme heat and from freezing conditions and away from all sources of ignition.

SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

EXPOSURE CONTROLS

SPAIN			
NAME OF AGENT	LIMIT VALUE: 8 HOURS	LIMIT VALUE: SHORT TERM	NOTATION
Citral	5 ppm		Skin, Sen, FIV
Pin-2(10)-ene	113mg/m ³		-
Pin-2(3)-ene	113mg/m ³		-

PERSONAL PROTECTION EQUIPMENT

Use personal protection equipment according to Directive 89/686/EEC.

ENGINEERING CONTROLS-VENTILATION

The areas where the product is handled and stored should be adequately ventilated.

RESPIRATORY

In case of insufficient ventilation, wear suitable respiratory equipment.

SKIN PROTECTION

Avoid contact with skin. Compatible chemical-resistant gloves are recommended. Wash contaminated gloves before reuse.

EYE/FACE PROTECTION

Chemical safety goggles are recommended. Wash contaminated goggle before reuse.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	:	Yellow Liquid
ODOR	:	Citric
FLASH POINT	:	48 ° C
RELATIVE DENSITY	:	0.853g/cm ³ at 20 ° C

SECTION 10: STABILITY AND REACTIVITY

10.1 REACTIVITY

It presents no significant reactivity hazards by itself or in contact with water. Avoid contact with strong acids, alkali, or oxidizing agents.

10.2 CHEMICAL STABILITY

Stable under normal operating conditions

10.3 POSSIBILITY OF HAZARDOUS REACTIONS

Hazardous Polymerization: It does not undergo any dangerous reactions under normal conditions

10.4 CONDITIONS TO AVOID

Heat, flames, and other sources of ignition. No special precautions other than good housekeeping of chemicals.

10.5 INCOMPATIBLE MATERIALS

Oxidizing mineral acids, strong reducing agents, strong oxidizing agents

10.6 DECOMPOSITION

Carbon monoxide and unidentified organic compounds may be formed during combustion.

SECTION 11: TOXILIGICAL INFORMATION

ACUTE TOXICITY

This substance does not meet the criteria for classification in accordance with Regulation (EC) No 1272/2008.

SKIN IRRITATION/CORROSION

This substance meets the criteria for classification in accordance with Regulation (EC) No 1272/2008.

SERIOUS EYE IRRITATION/DAMAGE

This substance does not meet the criteria for classification in accordance with Regulation (EC) No 1272/2008.

RESPIRATORY OR SKIN SENSITIZATION

This substance meets the criteria for classification in accordance with Regulation (EC) No 1272/2008.

GERM CELL MUTAGENICITY

This substance does not meet the criteria for classification in accordance with Regulation (EC) No 1272/2008.

CARCINOGENICITY

This substance does not meet the criteria for classification in accordance with Regulation (EC) No 1272/2008.

REPRODUCTIVE TOXICITY

This substance does not meet the criteria for classification in accordance with Regulation (EC) No 1272/2008.

STOT-SINGLE EXPOSURE

This substance does not meet the criteria for classification in accordance with Regulation (EC) No 1272/2008.

STOT-REPEATED EXPOSURE

This substance does not meet the criteria for classification in accordance with Regulation (EC) No 1272/2008.

ASPIRATION TOXICITY

This substance meets the criteria for classification in accordance with Regulation (EC) No 1272/2008.

SECTION 12: ECOLOGICAL INFORMATION

12.1 ACUTE AQUATIC TOXICITY: Not determined

12.2 PERSISTENCE AND DEGRADABILITY: N/A

12.3 BIOCONCENTRATION FACTOR: Not determined

12.4 MOBILITY IN SOIL: N/A

12.5 RESULTS OF PBT AND vPvB ASSESSMENT: Not determined

12.6 OTHER ADVERSE EFFECTS: Do not allow the material to enter streams, sewers, or other waterways

SECTION 13: DISPOSAL CONSIDERATION

Dispose of product in accordance with local, state or provincial and federal regulations. Check with local municipal authority to ensure compliance.

SECTION 14: TRANSPORT INFORMATION

14.1 INTERNATIONAL CARRIAGE OF DANGEROUS GOODS BY ROAD (ADR)

UN NUMBER : UN1169
PROPER SHIPPING NAME : Extracts, Aromatic, Liquid
PACKING GROUP : III
CLASS : 3
TUNNEL RESTRICTION CODE : (D/E)
LABEL :



14.2 SEA TRANSPORT (IMDG)

UN NUMBER : UN1169
PROPER SHIPPING NAME : Extracts, Aromatic, Liquid
PACKING GROUP : III
CLASS : 3
MARINE POLLUTANT : Yes
LABEL :



14.3 AIR TRANSPORT (ICAO/IATA)

UN NUMBER : UN1169
PROPER SHIPPING NAME : Extracts, Aromatic, Liquid

PACKING GROUP : III
CLASS : 3
LABEL :



SECTION 15: REGULATORY INFORMATION

15.1 SAFETY, HEALTH, AND INFORMATION REGULATIONS/LEGISLATION SPECIFIC FOR THE SUBSTANCE OR MIXTURE

Not available.

15.2 CHEMICAL SAFETY ASSESMENT

Not available.

SECTION 16: DISCLAIMER AND CAUTION

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