

SAFETY DATA SHEET

1. INFORMATION OF THE SUBSTANCE /PREPARATION AND OF THE COMPANY /UNDERTAKING

1.1 Product identifiers

PRODUCT NAME	LEMON OIL CP
PRODUCT CODE	EC 0009

COMMON CHEMICAL NAME:	Lemon Oil CP.
CAS:	8008-56-8.
FEMA:	2625.
CLASSIFICATION:	Essential Oil / Natural.

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

IDENTIFIED USES: Flavoring agents, Food grade

1.3 Details of the supplier of the safety data sheet:

AROMÁTICOS QUÍMICOS POTOSINOS, S.A. DE C.V.
AV. CIRCUNVALACIÓN ORIENTE No. 225 CD. GRANJA
TEL. 01 (33) 3777 – 4240 CON 20 LÍNEAS
ZAPOPAN, JALISCO. CP 45010, MÉXICO

1.4 Emergency phone:

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ZAPOPAN, JALISCO
Tel. 0052 (33) 3777 – 4240 Ext. 154
(Monday to Friday 8: 00 – 18:00 GMT -5 / UTC -6)
Tel. (+52) 33 1458 2673 (24 h)

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

Flammable Liquids (Category 3)	H226
Aspiration hazard (Category 1)	H304
Corrosion/Skin irritation (Category 2)	H315
Skin Sensitization (Category 1)	H317
Reproductive toxicity (Category 2)	H361
Hazardous to the aquatic environment-Acute hazard (Category 2)	H401

2.2 GHS Label elements, including precautionary statements:

PICTOGRAM:



SIGNAL WORD

Danger

Hazard statement(s)

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.

Precautionary statement(s)

P202	Do not handle until all safety precautions have been read and understood.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233	Keep container tightly closed.
P241	Use explosion-proof electrical/ ventilating/ lighting/ equipment.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P264	Wash skin thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
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.
P301 + P312	IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P303 + P361 + P353	IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/shower.
P331	Do NOT induce vomiting.
P333 + P313	IF SKIN irritation or rash occurs: Get medical advice/ attention.
P362	Take off contaminated clothing and wash before reuse.
P370 + P378	In case of fire: Use dry sand, dry chemical powder or alcohol resistant foam for extinction.
P391	Collect spillage.
P403 + P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.
P501	Dispose of contents/ container at an authorized waste disposal plant.

2.3 Hazards not otherwise classified (HNOC) or not covered by GHS

None.

3. COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Substances.

Component	CAS	Clasificación	Concentration
Lemon Oil CP	8008-56-8	Flam. Liq.3, H226 Asp. Tox.1, H304 Skin Irrit.2, H315 Skin Sens.1B, H317 Repr. 2, H361 Aquatic Acute 2, H401 Aquatic Chronic 1, H411	≤ 100.00 %

4. FIRST AID MEASURES

4.1 Description of first aid measures.

GENERAL ADVICE

Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

IF INHALED

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

IN CASE OF SKIN CONTACT

Wash off with soap and plenty of water. Take victim immediately to hospital. Consult a physician.

IN CASE OF EYED CONTACT

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

IF SWALLOWED

Do NOT induce vomiting. Never give anything by mouth to an conscious person. Rinse mouth with water. Consult a physician.

4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2)

4.3 Indication of any immediate medical attention and special treatment needed

No data available.

5. FIREFIGHTING MEASURES

5.1 Extinguishing media:

SUITABLE EXTINGUISHING MEDIA:

Foam, dry powder, Carbon dioxide.

UNISUITABLE EXTINGUISHING MEDIA:

Water

5.2 Special hazards arising from the substance or mixture:

Not available.

5.3 Advice for firefighters:

Wear self - contained breathing apparatus for firefighting if necessary.

5.4 Further information:

Use water spray to cool unopened containers.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions:

Flammable liquid, Keep away from heat. Keep away from sources of ignition. Stop leak if without risk.

6.2 Enviromental precautions:

Absorb with an inert material and put the spilled material in an appropriate waste disposal.

6.3 Methods for cleaning up:

Absorb with dry earth, sand or other non-combustible material. Do not touch spilled material. Prevent entry into sewers, basements or confined areas, dike if needed. Eliminate all ignition sources.

Recovery:

Recycle to process, if possible.

Neutralization:

Absorb with an inert material and put the spilled material in an appropriate waste disposal.

Disposal:

Consult your local or regional authorities.

7. HANDLING AND STORAGE

7.1 Precautions:

Keep away from heat. Keep away from sources of ignition. Ground all equipment containing material. Do not ingest. Do not breathe gas/fumes/ vapor/spray. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes. Keep away from incompatibles such as oxidizing agents, acids, alkalis.

7.2 Storage:

Store in a segregated and approved area. Keep container in a cool, well-ventilated area. Keep container tightly closed and sealed until ready for use. Avoid all possible sources of ignition (spark or flame). Sensitive to light. Store in light-resistant containers.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Exposure Limits:

Not available.

8.2 Exposure controls:

RESPIRATORY PROTECTION:	Use positive pressure self-contained breathing apparatus.
HAND PROTECTION:	Use protective gloves oil/chemical resistant.
EYE PROTECTION:	Use protective goggles or facial mask.
SKIN PROTECTION:	Follow good industrial practice as to housekeeping, personal hygiene and avoidance of prolonged or repeated contact with skin or eyes. This material is intended for manufacturing use only.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties.

APPEARANCE:	Oily and crystalline liquid.
COLOR:	Light yellow to greenish yellow.
ODOR:	Characteristic to lemon.
UPPER/LOWER FLAMMABILITY OR EXPLOSIVE LIMITS:	Not available.
VAPOUR PRESSURE 25°C:	0.9500 mmHg.
ODOR THRESHOLD:	Not available.
VAPOUR DENSITY:	Not available.
pH VALUE:	Not available.
RELATIVE DENSITY:	Not available.
MELTING POINT:	Not available.
SOLUBILITY:	It is soluble in most fixed oils and in mineral oil. It can be incompletely soluble in alcohol. It is insoluble in glycerin and in propylene glycol.
BOILING POINT:	176.00 °C @ 760 mmHg.
DENSITY 25°C (g/mL):	0.849 – 0.855
REFRACTIVE INDEX 20°C:	1.473 – 1.476
ANGULAR ROTATION 20°C:	+57.00° – +65.60°
ALDEHYDES %:	2.20 – 3.80
OCTANOL / WATER PARTITION COEFFICIENT:	Not available.
DECOMPOSITION TEMPERATURE:	Not available.
FLASH POINT:	115.00°F, TCC (46.11°C)
AUTOIGNITION TEMPERATURE:	Not available.
EVAPORATION RATE:	Not available.

10. STABILITY AND REACTIVITY

10.1 Reactivity:	No data available
10.2 Chemical stability:	Stable under conditions of normal storage and use.
10.3 Possibility of hazardous reactions:	No data available
10.4 Conditions to avoid:	Heat, flames and sparks.

10.5 Incompatible materials: Strong oxidizing agents.

10.6 Hazardous decomposition products: Carbon monoxide and carbon dioxide.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects.

Acute toxicity

ATE Oral: 2,840 mg/kg
Inhalation: No data available
ATE Dermal: >5,000 mg/kg

Skin corrosion/irritation

Causes skin irritation.

Serious eye damage/eye irritation

No data available

Respiratory or skin sensitisation

May causes an allergic skin reaction.

Germ cell mutagenicity

Based on available data, the classification criteria are not met.

Carcinogenicity

IARC: No components of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH: No components of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No components of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No components of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity

Suspected of damaging fertility or the unborn child.

Specific target organ toxicity - single exposure

No data available

Specific target organ toxicity - repeated exposure

No data available

Aspiration hazard

May be fatal if swallowed and enters airways.

Additional Information

No data available

12. ECOLOGICAL INFORMATION

12.1 Toxicity Toxic to aquatic life with long lasting effects.

D'limoneno (5989-27-5)	
LC50 fish 1	720 µg/l (96h;Pimephales promelas;Lethal)
LC50 fish 2	702 µg/l (96h;Pimephales promelas)
EC50 Daphia 1	0.36 mg/l (48h;Daphnia magna; GLP)
Threshold limint algae 1	150 mg/l (72h;Desmodesmus subspicatus; GLP)
Threshold limit algae 2	720 µg/l (72h;Desmodesmus subspicatus)

12.2 Persistence and degradability Not determined.

12.3 Bioaccumulative potential Not determined.

12.4 Mobility in soil Not determined.

12.5 Results of PBT and vPvB assessment Not determined.

12.6 Other adverse effects Not determined.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

WASTE FROM RESIDUE: Dispose of in accordance with State, Federal and Local Regulations.

CONTAMINATED PACKAGING: Dispose of in accordance with State, Federal and Local Regulations.

14. TRANSPORT INFORMATION

Shipping classification:

DOT (US)

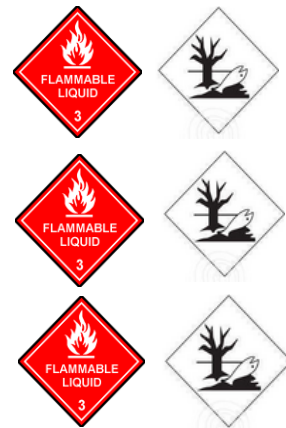
UN number: 1169 Class: 3 Packing group: III
Proper shipping name: Extracts, aromatic, liquid

IMDG

UN number: 1169 Class: 3 Packing group: III EMS-No: F-E, S-E
Proper shipping name: EXTRACTS, AROMATIC, LIQUID

IATA

UN number: 1169 Class: 3 Packing group: III
Proper shipping name: Extracts, aromatic, liquid



15. REGULATORY INFORMATION

International regulations

- *Chemical substances included in the lists of the convention on chemical weapons:* Contains no listed substances
- *Montreal Protocol:* Contains no listed substances
- *Stockholm Convention on Persistent Organic Pollutants:* Contains no listed substances
- *Rotterdam Convention:* Contains no listed substances
- *Ingredients that cause hypersensitivity, intolerance or allergy according to NOM-051 SCFI / SSA1-2010, General labeling specifications for prepackaged food and non-alcoholic beverages- Commercial and health information. (Mexico)* Contains no listed substances
- *List of human-tested contact allergens from the Scientific Committee on Consumer Safety of the European Union* Contains no listed substances

16. OTHER INFORMATION:

The information presented in this Safety data sheet is considered correct, but is not exhaustive and will be used only as guidance, which is based on the current knowledge of the chemical or mixture and is applicable to the precautions of appropriate safety for the product.

- Reference :**
- NOM-010-STPS-2014. Chemical pollutants of the work environment - Recognition, evaluation and control.
 - NOM-018-STPS-2015, Harmonized system for the identification and communication of dangers and risks due to hazardous chemical substances in the workplace.
 - Globally harmonized system of classification and labeling of chemical products (GHS / GHS). Seventh edition. United Nations, 2017

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