

Safety Data Sheet (SDS)

Prepared to comply with GHS (Globally Harmonized System) and OSHA-Hazard Communication Standard 29 CFR.1910.1200, System of Classifying and Labeling of Chemicals

Product Name: Lemon Oil

Section 1: Identification

- 1.1 Product Name:** Lemon Oil
- 1.2 Product Class:** Essential Oils / Natural Oils
- Product Codes: n/a
- CAS/EC Number: 8008-56-8 / 284-515-8
- Intended Use: For external use only.(Aromatherapy, Skin and Hair Care) Do not ingest as such.

1.3 Supplier:

Manufactured for Scrip Companies
360 Veterans Pkwy
Bolingbrook, IL 60440

1.4 Emergency telephone:

Emergency Chem-Tel 1(800) 255-3924 or USA National Poison Control Center (412) 681-6669

Section 2: Hazard(s) Identification

2.1 Classification: This product has been evaluated for hazard classification in accordance OSHA Hazardous Communication Standard (HCS 2012). These standards generally align with the United Nations Globally Harmonized System of Classification and Labelling of Chemicals (GHS) revisions. Although not required by OSHA, GHS environmental hazard classifications were also evaluated.

Flammable Liquids – Category 3
Aspiration Hazard – Category 1
Skin Corrosion/Irritation – Category 2
Skin Sensitization – Category 1

Hazardous to the Aquatic Environment – Acute Hazard – Category 1
Hazardous to the Aquatic Environment – Long-term Hazard – Category 1

2.2 Labeling:

Pictograms:



Signal Word: DANGER

Hazard Statements

H226 – Flammable liquid and vapor
H302 – Harmful if swallowed
H304 – May be fatal if swallowed and enters airways
H315 – Cause mild skin irritation
H317 – May cause an allergic skin reaction

Safety Data Sheet (SDS)

Prepared to comply with GHS (Globally Harmonized System) and OSHA-Hazard Communication Standard 29 CFR.1910.1200, System of Classifying and Labeling of Chemicals

Product Name: Lemon Oil

Section 2: Hazard(s) Identification

H410 – Very Toxic to aquatic life with long lasting effects

Precautionary Statements

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

P233 – Keep container tightly closed.

P261 – Avoid breathing fumes, mists, vapors, or spray.

P264 – Wash exposed skin thoroughly after handling.

P273 – Avoid release to the environment.

Response Precautionary Statements:

P301 + P310 – IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

P331 – Do NOT induce vomiting.

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

P303 + P361 + P353 – IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.

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

Storage Precautionary Statements:

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

Disposal Precautionary Statements:

P501 – Dispose of contents/container according to federal, state, or local regulations.

2.3 Other Hazards: This product contains components that may cause physical, health, or environmental hazards. This product contains ingredients that harm aquatic life and should not be released to the environment.

Section 3: Composition/Information on Ingredients

Chemical Name	CAS #	EINECS/EC	Concentration %
Lemon Oil	8008-56-8	284-515-8	100%

Section 4: First-Aid Measures

4.1 Description of first aid measures:

Ingestion: Rinse mouth with water. Obtain medical advise.

Skin Contact: Wash with copious amounts of soap and water. Seek medical attention if irritation develops or persists.

Eye Contact: Rinse eyes thoroughly with potable water for at least 15 minutes and remove contacts if easy to do. Rinse under eyelids to remove any material. Seek medical attention if irritation persists.

Inhalation: Remove victim to fresh air. Seek medical attention immediately if person is unconscious or if breathing difficulty continues. Give artificial respiration and CPR if necessary.

4.2 Most important symptoms and effects:

Ingestion: May cause irritation to mouth, throat, and gastrointestinal tract.

Skin Contact: May cause irritation or redness. May produce an allergic reaction.

Eye Contact: May cause severe irritation or redness.

Safety Data Sheet (SDS)

Prepared to comply with GHS (Globally Harmonized System) and OSHA-Hazard Communication Standard 29 CFR.1910.1200, System of Classifying and Labeling of Chemicals

Product Name: Lemon Oil

Section 4: First-Aid Measures

Inhalation: May irritate the nose, throat, and respiratory tract. Coughing, sneezing, and shortness of breath may occur following exposure.

4.3 Indication of any immediate medical attention and special treatment needed: See Section 4.1.

Section 5: Fire-Fighting Measures

5.1 Extinguishing media: Use foam or dry powder. DO NOT USE WATER.

5.2 Special hazards arising from the substance or mixture: Containers may build up pressure at elevated temperatures.

5.3 Advice to firefighters: Suitable protective body suits, eye protection and respiratory ventilation devices should be worn to avoid breathing vapors. Do NOT allow run off to enter drains or bodies of water.

Section 6: Accidental Release Measures

6.1 Personal precautions: Do NOT Smoke and do NOT expose to open flame, sparks, hot surfaces or sources of ignition. In case of accidental release, use caution as the floor may become slippery. Wear appropriate protective equipment and clothing during clean-up as recommended in Section 8. Avoid direct contact with skin.

6.2 Environmental precautions: Carefully contain and stop the source of spill. Product should not be excreted into drains or discharged into surface water or groundwater. Should a release of this product enter a US waterway and cause a film or sheen, the National Response Center (NRC) must be notified within 24 hours at (800) 424-8802.

6.3 Methods and materials for containment and cleaning up: Use inert, non-combustible, absorbent materials to soak up spill if small and contained. Spilled product should be placed in suitable container for proper disposal according to all federal, state and local regulations.

6.4 Reference to other sections: Use information obtained throughout this SDS to be fully prepared in case of accidental release.

Section 7: Handling and Storage

7.1 Precautions for safe handling: Local ventilation is recommended or perform activities in well-ventilated areas. Avoid contact with skin and eyes. Persons handling the product should wear recommended personal protective equipment (PPE) such as gloves and eye protection. Do not ingest. Wash thoroughly with potable water and mild soap after handling.

7.2 Conditions for safe storage, including any incompatibilities: Keep container tightly closed in a cool, dry, and well-ventilated place. Observe label precautions. Only store in original container. Storage temperature should not be below 32°F or above 150°F.

7.3 Specific end uses: See Section 1 for intended uses.

Section 8: Exposure Controls/Personal Protection

8.1 Control parameters: Follow applicable regulations in your jurisdiction.

8.1.1 Currently recommended monitoring procedures: No recommendations.

8.2 Exposure Controls:

Safety Data Sheet (SDS)

Prepared to comply with GHS (Globally Harmonized System) and OSHA-Hazard Communication Standard 29 CFR.1910.1200, System of Classifying and Labeling of Chemicals

Product Name: Lemon Oil

Section 8: Exposure Controls/Personal Protection

8.2.1 Appropriate engineering controls: Use local exhaust ventilation when possible to remove and prevent buildup of vapors/fumes.

8.2.2 Individual protection methods: Use good industrial hygiene practices in handling this material. Eye wash stations should be available. Wash exposed skin and face thoroughly with potable water and mild soap after use. If any irritation, redness, or a rash is noted, treat symptomatically or consult a doctor. Wear gloves, safety glasses, and protective clothing. In case of eye contact, flush with plenty of clean, potable water for at least 15 minutes. Remove contacts if easy to do so. Seek medical attention immediately. Wash contaminated skin before eating, drinking or smoking.

8.2.3 Personal Protect Equipment (PPE):

Eye/Face: Recommend that goggles/face shield be worn for protection.

Skin: Avoid contact by covering skin with protective clothing or protective suit. Gloves should be worn. Wash exposed skin thoroughly with potable water and mild soap.

Feet: Wear suitable foot protection to avoid potential slips if product is spilled on the floor.

Respiratory: If airborne concentrations are above the applicable exposure limits, use NIOSH-approved respirator if qualified.

Section 9: Physical and Chemical Properties

Physical State:	Liquid
Color:	Yellow
Odor:	Citric
Odor Threshold:	Not applicable
Melting Point:	Not applicable
Freezing Point:	Not evaluated
Initial Boiling Point:	Not applicable
Flammability (solid, gas):	Not applicable
Lower and Upper Explosion	Not applicable
Flash Point:	48°C
Auto-Ignition Temperature:	Not applicable
Decomposition Temperature:	Not evaluated
pH:	Not evaluated
Kinematic Viscosity:	Not evaluated
Solubility:	Not soluble
Partition Coefficient:	Not evaluated
Vapor Pressure	Not evaluated
Density	0.853 g/cm ³ (20°C)
Water solubility	Insoluble in Water
Viscosity, dynamic	Not determined
Relative Vapor Density:	Not evaluated
Particle Characteristics:	Not applicable

Section 10: Stability and Reactivity

10.1 Reactivity: Not studied as distributed.

10.2 Chemical stability: Stable under recommended conditions of storage and use.

Safety Data Sheet (SDS)

Prepared to comply with GHS (Globally Harmonized System) and OSHA-Hazard Communication Standard 29 CFR.1910.1200, System of Classifying and Labeling of Chemicals

Product Name: Lemon Oil

Section 10: Stability and Reactivity

- 10.3 Possibility of hazardous reactions:** Under normal conditions of storage and use, hazardous reactions will not occur. Hazardous polymerization will not occur.
- 10.4 Conditions to avoid:** Heat, sparks, flames, hot surfaces, sources of ignition or high temperatures.
- 10.5 Incompatible materials:** Incompatible materials and possible hazardous reactions may occur with oxidizing mineral acids, reducing agents, or other strong oxidizing agents.
- 10.6 Hazardous decomposition or byproducts:** Carbon monoxide and other unidentified organic compounds may be formed upon combustion.

Section 11: Toxicological Information

11.1 Information on toxicological effects:

Acute Exposure and Symptoms:

Ingestion: May cause irritation to mouth, throat, and gastrointestinal tract.

Skin Contact: May cause irritation or redness. May produce an allergic reaction.

Eye Contact: May cause severe irritation or redness.

Inhalation: May irritate the nose, throat, and respiratory tract. Coughing, sneezing, and shortness of breath may occur following exposure.

Chronic Exposure:

No data exists for chronic exposure to the product.

11.2 Numerical Measures of Toxicity

No information exists for the product as distributed.

11.3 Component Carcinogenicity

This product does not contain any substances listed as a known or suspected carcinogen.

11.4 Other Toxicological Information

Reproductive toxicity: Not classified.

Germ cell mutagenicity: Not classified.

Respiratory or skin sensitization: Product is classified as a skin sensitizer.

Specific target organ toxicity, single/repeat exposures: Not classified.

Aspiration hazard: May be fatal if swallowed and enters the airways.

Section 12: Ecological Information (non-mandatory)

Ecotoxicity: Product has not been studied as distributed.

12.1 Acute aquatic toxicity: Product is toxic to aquatic life.

12.2 Persistence and degradability: Not studied as distributed.

12.3 Bioaccumulation: Not studied as distributed.

12.4 Mobility in soil: Not studied as distributed.

12.5 PBT and vPvB: Not studied as distributed.

12.6 Other adverse effect: Do NOT allow product to enter sewers, streams or other bodies of water.

Safety Data Sheet (SDS)

Prepared to comply with GHS (Globally Harmonized System) and OSHA-Hazard Communication Standard 29 CFR.1910.1200, System of Classifying and Labeling of Chemicals

Product Name: Lemon Oil

Section 13: Disposal Considerations (non-mandatory)

13.1 Waste treatment methods:

General Product Information: Whatever cannot be saved or recovered for recycling should be disposed of according to state and local regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

Section 14: Transport Information (non-mandatory)

14.1 Transportation Information:

Department of Transportation (DOT): UN1169 – Extracts flammable liquid. Class 3 Packing Group III.

Canadian TDG Information: UN1169 – Extracts flammable liquid. Class 3 Packing Group III.

IMDG: UN1169 – Extracts flammable liquid. Class 3 Packing Group III.

Section 15: Regulatory Information (non-mandatory)

15.1 Safety, health, and environmental regulation:

US Federal Regulations

General Product Information: All components are on the U.S. EPA TSCA Inventory List.

State Regulations

General Product Information: Other state regulations may apply. Check individual state requirements.

California Prop. 65 Components: No component of this product present at $\geq 0.1\%$ is listed on the California Proposition 65 List.

Carcinogenic categories

National Toxicology Program (NTP):

Product is not listed. No components of the product are listed.

International Agency for Research on Cancer (IARC):

Product is not listed. No components of the product are listed.

Environmental Protection Agency (EPA):

Product is not listed. No components of the product are listed.

American Conference of Governmental Industrial Hygienists (ACGIH):

Product is not listed. No components of the product are listed.

National Institute for Occupational Safety and Health (NIOSH):

Product is not listed. No components of the product are listed.

Occupational Safety & Health Administration (OSHA)

Product is not listed. No components of the product are listed.

Safety Data Sheet (SDS)

Prepared to comply with GHS (Globally Harmonized System) and OSHA-Hazard Communication Standard 29 CFR.1910.1200, System of Classifying and Labeling of Chemicals

Product Name: Lemon Oil

Section 16: Other Information

Other Information

Disclaimer: The information presented in this SDS is based on the information available at the time of authoring. This information is considered to be reliable and accurate at the time of authoring but is not guaranteed to be so after publication. Since conditions of use are beyond the control of the supplier no warranties are made, expressed or implied, except those that may be contained in written contracts of sale or acknowledgment.

- H226: Flammable liquid and vapor.
- H304: May be fatal if swallowed and enters airways.
- H315: Causes skin irritation.
- H317: May cause an allergic skin reaction
- H319: Causes serious eye irritation.
- H410: Very toxic to aquatic life with long lasting effects.

Key to Abbreviations and Acronyms:

ACGIH:	American Conference of Governmental Industrial Hygienists
CAS#:	Chemical Abstracts Service Registry Number
CLP:	Classification, Labelling, and Packaging
DNEL:	Derived No Effect Level
EC:	European Community
EINECS:	European Inventory of Existing Commercial Chemical Substances
EPA:	Environmental Protection Agency
EU:	European Union
GHS:	Globally Harmonized System of classification and labelling of chemicals
IARC:	International Agency for Research on Cancer
IMDG:	International Maritime Code for Dangerous Goods
I:	Inhalable Particles
NIOSH:	National Institute for Occupational Safety and Health
NOEC:	No Observed Effect Concentration
NOS:	Not Otherwise Specified
NTP:	National Toxicology Program
OSHA:	Occupational Safety and Health Administration (USA)
PNEC:	Predicted No Effect Concentration
PNOR:	Particulates Not Otherwise Regulated
PPM:	Parts Per Million
R:	Respirable Particles
RID:	Regulations Concerning the International Transport of Goods by Rail
STEL:	Short Term Exposure Limit
T:	Total Dust
TLV:	Threshold Limit Value
TSCA:	Toxic Substance Control Act
TWA:	Time Weighted Average

End of Safety Data Sheet