



D-LIMONENE

Section 1: Manufacturer Information

Manufacturer/Distributor: Citrus Oleo
6531 Park of Commerce Blvd., Suite 170
Boca Raton, FL 33487
Phone: 866-352-6457 Fax: 561-995-0112

Emergency Phone: Primary Number: Chem Trec 1(800) 424-9300

Preparation/Revision Date: 3/09

CAS #: 5989-27-5

Trade Name/Synonyms: D-LIMONENE

Chemical Name/Synonyms: Not Applicable

Chemical Family: Not Applicable

Other CAS# are used

for D-Limonene they are: 8028-48-6 8008-57-9 68647-72-3

HAZARDOUS MATERIAL IDENTIFICATION SYSTEM (HMIS)

HEALTH	1
FLAMMABILITY	2
REACTIVITY	1
PROTECTION	B

Section 2: Hazardous Ingredients

This product contains hazardous ingredients: Yes

This product contains carcinogens (NTP, IARC, or OSHA): No

Section 3: Health Hazard Data

Health effects (Acute and Chronic): This product is a mixture for which no health hazard data exist.

Food and drug administration evaluation was GRAS.

Primary Routes of Entry: N/A

Medical Conditions Aggravated by Exposure: Eye/skin irritant.

Specific Risk Summary: May cause eye/skin irritation. Harmful if swallowed.

Emergency First Aid Procedures: Flush eyes with water until discomfort is relieved. Wash skin with soap and water.
Consult a physician if required.

Section 4: Chemical Data

Boiling Point (*F): >349

Specific Gravity (Water = 1): 0.842

Vapor pressure (mmHg): N/I

Appearance and Odor Information: Clear, colorless liquid with a slight citrus aroma.

Vapor Density (Air=1): N/I

Evaporation Rate (N/I=1): Slow

Solubility in Water: Insoluble



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Section 5: Physical Hazard Data

Flash Point: 113°F (CC)

Flammable Limits: Lel=NI UEL=NI

Extinguishing Media: Carbon dioxide, foam or dry chemical.

Special Fire Fighting Procedure: Wear self-contained breathing apparatus and protective clothing.

Unusual Fire and Explosion Hazards: Combustible liquid; keep away from heat, spark and open flame.

Incompatibility (Materials To Avoid): Avoid strong oxidizing agents.

Hazardous Decomposition Products: None known.

Will Hazardous Polymerization Occur: No

Conditions to Avoid for Polymerization: N/A

Is The Product Stable: Yes

Conditions to Avoid for Stability: Excessive heat, open flames, or other sources of ignition.

Section 6: Spill or Leak Procedures

Steps to be taken in case material is released or spilled: Eliminate sources of ignition. Wipe up small spills with cloth. Absorb larger spills with sand, sawdust, or similar porous material.

Caution: Very slippery on floor.

Waste disposal methods: Taking into consideration local authority regulations, waste may be incinerated or handled through EPA spill control plan via landfill or dilution. Large amounts may be recycled.

Section 7: Exposure Control Information

Ventilation: Mechanical (general) exhaust

Local Exhaust: Adequate

Mechanical (General): Yes

Other Engineering Controls: N/A

Work Practices: Always follow good manufacturing practices.

Respiratory Protection: Optional depending on condition of use.

Protective Gloves: Wear appropriate protective gloves to prevent skin exposure.

Eyes: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations.

Other Protective Equipment: Wear appropriate protective clothing to prevent skin exposure.

Hygienic Practices: Wash hands and arms after handling.

Section 8: Special Precautions

Precautions to be taken in handling and storage: Store in full, tightly closed containers in a cool dry place.

Maintenance Precautions: Clean up all spills.

ADDITIONAL COMMENTS: The information in this MSDS was obtained from current and reputable sources. However, the data is provided without warranty, express or implied, regarding its correctness or accuracy. It is the user's responsibility both to determine safe conditions for use of this product and to assume liability for loss, injury, damage, or expense resulting from improper use of this product.