SECTION 1: IDENTIFICATION

1.1. Product Identifier

Product Form: Mixture
Product Name: L&M™ CITREX™

1.2. Intended Use of the Product

Use of the Substance/Mixture: Cleaner.

1.3. Name, Address, and Telephone of the Responsible Party

Company
LATICRETE International
1 Laticrete Park, N
Bethany, CT 06524
T (203)-393-0010
www.laticrete.com

1.4. Emergency Telephone Number

Emergency Number: For Chemical Emergency call ChemTel Inc. day or night:
(800)255-3924 (North America)
(800)-099-0731 (Mexico)
+1 (813)248-0585 (International - collect calls accepted)

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the Substance or Mixture

Flam. Liq. 4 H227
Skin Irrit. 2 H315
Eye Irrit. 2 H319
Skin Sens. 1 H317
Asp. Tox. 1 H304
Aquatic Acute 1 H400
Aquatic Chronic 1 H410

Full text of hazard classes and H-statements : see section 16

2.2. Label Elements

GHS-US Labeling

Hazard Pictograms (GHS-US) :

Signal Word (GHS-US) :
Danger

Hazard Statements (GHS-US) :
H227 - Combustible liquid.
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.
H400 - Very toxic to aquatic life.
H410 - Very toxic to aquatic life with long lasting effects.

Precautionary Statements (GHS-US) :
P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P261 - Avoid breathing vapors, mist, or spray.
P264 - Wash hands, forearms, and other exposed areas thoroughly after handling.
P272 - Contaminated work clothing must not be allowed out of the workplace.
P273 - Avoid release to the environment.
P280 - Wear protective gloves, protective clothing, and eye protection.
P301+P310 - if swallowed: Immediately call a poison center or doctor.
P302+P352 - If on skin: Wash with plenty of 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.
P321 - Specific treatment (see section 4 on this SDS).
P331 - Do NOT induce vomiting.
**P333+P313** - If skin irritation or rash occurs: Get medical advice/attention.
**P337+P313** - If eye irritation persists: Get medical advice/attention.
**P362+P364** - Take off contaminated clothing and wash it before reuse.
**P370+P378** - In case of fire: Use appropriate media (see section 5) to extinguish.
**P391** - Collect spillage.
**P403+P235** - Store in a well-ventilated place. Keep cool.
**P405** - Store locked up.
**P501** - Dispose of contents/container in accordance with local, regional, national, and international regulations.

### 2.3. Other Hazards
Exposure may aggravate pre-existing eye, skin, or respiratory conditions.

### 2.4. Unknown Acute Toxicity (GHS-US)
No data available

#### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Name</th>
<th>Product Identifier</th>
<th>%</th>
<th>GHS US classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>D-Limonene</td>
<td>(CAS-No.) 5989-27-5</td>
<td>80 - 100</td>
<td>Flam. Liq. 3, H226&lt;br&gt;Skin Irrit. 2, H315&lt;br&gt;Skin Sens. 1B, H317&lt;br&gt;Asp. Tox. 1, H304&lt;br&gt;Aquatic Acute 1, H400&lt;br&gt;Aquatic Chronic 1, H410</td>
</tr>
<tr>
<td>Poly(oxy-1,2-ethanediyl), .alpha.- &lt;br&gt;(4-nonylphenyl)-omega.-&lt;br&gt;hydroxy-, branched</td>
<td>(CAS-No.) 127087-87-0</td>
<td>0.9 - 1.5</td>
<td>Acute Tox. 4 (Oral), H302&lt;br&gt;Skin Irrit. 2, H315&lt;br&gt;Eye Dam. 1, H318&lt;br&gt;Aquatic Acute 3, H402&lt;br&gt;Aquatic Chronic 2, H411</td>
</tr>
<tr>
<td>Polyethylene glycol</td>
<td>(CAS-No.) 25322-68-3</td>
<td>&lt;= 0.15</td>
<td>STOT SE 3, H335</td>
</tr>
</tbody>
</table>

Full text of H-phrases: see section 16

** The actual concentration of ingredient(s) is withheld as a trade secret in accordance with the Hazardous Products Regulations (HPR) SOR/2015-17 and 29 CFR 1910.1200.

#### SECTION 4: FIRST AID MEASURES

4.1. Description of First-aid Measures
**First-aid Measures General:** Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

**First-aid Measures After Inhalation:** When symptoms occur: go into open air and ventilate suspected area. Obtain medical attention if breathing difficulty persists.

**First-aid Measures After Skin Contact:** Immediately remove contaminated clothing. Immediately drench affected area with water for at least 15 minutes. Obtain medical attention if irritation/rash develops or persists.

**First-aid Measures After Eye Contact:** Immediately rinse with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention.

**First-aid Measures After Ingestion:** Do NOT induce vomiting. Rinse mouth. Immediately call a POISON CENTER or doctor/physician.

4.2. Most Important Symptoms and Effects Both Acute and Delayed
**Symptoms/Injuries:** Skin sensitization. Causes skin irritation. Causes serious eye irritation. May be fatal if swallowed and enters airways.

**Symptoms/Injuries After Inhalation:** Prolonged exposure may cause irritation.

**Symptoms/Injuries After Skin Contact:** May cause an allergic skin reaction. Redness, pain, swelling, itching, burning, dryness, and dermatitis.

**Symptoms/Injuries After Eye Contact:** Contact causes severe irritation with redness and swelling of the conjunctiva.

**Symptoms/Injuries After Ingestion:** Aspiration into the lungs can occur during ingestion or vomiting and may cause lung injury.

**Chronic Symptoms:** None expected under normal conditions of use.
4.3. Indication of Any Immediate Medical Attention and Special Treatment Needed
If exposed or concerned, get medical advice and attention. If medical advice is needed, have product container or label at hand.

SECTION 5: FIRE-FIGHTING MEASURES

5.1. Extinguishing Media
Suitable Extinguishing Media: Dry chemical powder, alcohol-resistant foam, carbon dioxide (CO₂). Water may be ineffective but water should be used to keep fire-exposed container cool.
Unsuitable Extinguishing Media: Do not use a heavy water stream. A heavy water stream may spread burning liquid.

5.2. Special Hazards Arising From the Substance or Mixture
Fire Hazard: Combustible liquid.
Combustibility: May form flammable or explosive vapor-air mixture.
Reactivity: Reacts violently with strong oxidizers. Increased risk of fire or explosion.

5.3. Advice for Firefighters
Precautionary Measures Fire: Exercise caution when fighting any chemical fire.
Firefighting Instructions: Use water spray or fog for cooling exposed containers. In case of major fire and large quantities: Evacuate area. Fight fire remotely due to the risk of explosion.
Protection During Firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.
Other Information: Do not allow run-off from fire fighting to enter drains or water courses.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal Precautions, Protective Equipment and Emergency Procedures
General Measures: Avoid breathing (vapor, mist, spray). Do not get in eyes, on skin, or on clothing. Avoid all contact with skin, eyes, or clothing. Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No smoking. Use special care to avoid static electric charges.

6.1.1. For Non-Emergency Personnel
Protective Equipment: Use appropriate personal protective equipment (PPE).
Emergency Procedures: Evacuate unnecessary personnel. Stop leak if safe to do so.

6.1.2. For Emergency Personnel
Protective Equipment: Equip cleanup crew with proper protection.
Emergency Procedures: Upon arrival at the scene, a first responder is expected to recognize the presence of dangerous goods, protect oneself and the public, secure the area, and call for the assistance of trained personnel as soon as conditions permit. Ventilate area. Eliminate ignition sources.

6.2. Environmental Precautions
Prevent entry to sewers and public waters. Avoid release to the environment. Collect spillage.

6.3. Methods and Materials for Containment and Cleaning Up
For Containment: Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. As an immediate precautionary measure, isolate spill or leak area in all directions.
Methods for Cleaning Up: Clean up spills immediately and dispose of waste safely. Transfer spilled material to a suitable container for disposal. Contact competent authorities after a spill. Absorb and/or contain spill with inert material. Do not take up in combustible material such as: saw dust or cellulosic material. Use only non-sparking tools.

6.4. Reference to Other Sections
See Section 8 for exposure controls and personal protection and Section 13 for disposal considerations.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for Safe Handling
Additional Hazards When Processed: Handle empty containers with care because residual vapors are flammable.
Precautions for Safe Handling: Avoid contact with skin, eyes and clothing. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Avoid breathing vapors, mist, spray. Take precautionary measures against static discharge. Use only non-sparking tools.
Hygiene Measures: Handle in accordance with good industrial hygiene and safety procedures.

7.2. Conditions for Safe Storage, Including Any Incompatibilities
Storage Conditions: Store in a dry, cool place. Keep/Store away from direct sunlight, extremely high or low temperatures and incompatible materials. Store in a well-ventilated place. Keep container tightly closed. Keep in fireproof place. Store locked up/in a secure area.
7.3. Specific End Use(s)
Cleaner.

SECTION 8: EXPOSURE CONTROLS/PERSOAL PROTECTION

8.1. Control Parameters
For substances listed in section 3 that are not listed here, there are no established exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency including: ACGIH (TLV), AIHA (WEEL), NIOSH (REL), or OSHA (PEL).

<table>
<thead>
<tr>
<th>Substance</th>
<th>Control Parameters</th>
</tr>
</thead>
<tbody>
<tr>
<td>D-Limonene (5989-27-5)</td>
<td>USA AIHA WEEL TWA (ppm) 30 ppm</td>
</tr>
<tr>
<td>Polyethylene glycol (25322-68-3)</td>
<td>USA AIHA WEEL TWA (mg/m³) 10 mg/m³ (molecular weight&gt;200-aerosol)</td>
</tr>
</tbody>
</table>

8.2. Exposure Controls

Appropriate Engineering Controls
- Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure adequate ventilation, especially in confined areas. Ensure all national/local regulations are observed. Gas detectors should be used when flammable gases or vapors may be released. Proper grounding procedures to avoid static electricity should be followed. Use explosion-proof equipment.

Personal Protective Equipment

Materials for Protective Clothing
- Chemically resistant materials and fabrics. Wear fire/flame resistant/retardant clothing.

Hand Protection
- Wear protective gloves.

Eye and Face Protection
- Chemical safety goggles.

Skin and Body Protection
- Wear suitable protective clothing.

Respiratory Protection
- If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn. In case of inadequate ventilation, oxygen deficient atmosphere, or where exposure levels are not known wear approved respiratory protection.

Other Information
- When using, do not eat, drink or smoke.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on Basic Physical and Chemical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical State</td>
<td>Liquid</td>
</tr>
<tr>
<td>Appearance</td>
<td>Water White</td>
</tr>
<tr>
<td>Odor</td>
<td>Terpene</td>
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<tr>
<td>Odor Threshold</td>
<td>No data available</td>
</tr>
<tr>
<td>pH</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>No data available</td>
</tr>
<tr>
<td>Melting Point</td>
<td>No data available</td>
</tr>
<tr>
<td>Freezing Point</td>
<td>No data available</td>
</tr>
<tr>
<td>Boiling Point</td>
<td>176 °C (348.8 °F) Pensky-Martens Closed Cup</td>
</tr>
<tr>
<td>Flash Point</td>
<td>93 °C (199.4 °F) Pensky-Martens Closed Cup</td>
</tr>
<tr>
<td>Auto-ignition Temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Decomposition Temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>No data available</td>
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<tr>
<td>Relative Vapor Density at 20°C</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative Density</td>
<td>No data available</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>0.98</td>
</tr>
<tr>
<td>Solubility</td>
<td>Water: Appreciable</td>
</tr>
<tr>
<td>Partition Coefficient: N-Octanol/Water</td>
<td>No data available</td>
</tr>
</tbody>
</table>
L&M™ CITREX™
Safety Data Sheet
According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Viscosity: No data available

9.2. Other Information: No additional information available

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity: Reacts violently with strong oxidizers. Increased risk of fire or explosion.

10.2. Chemical Stability: Combustible liquid. May form flammable or explosive vapor-air mixture.


10.4. Conditions to Avoid: Direct sunlight, extremely high or low temperatures, heat, hot surfaces, sparks, open flames, incompatible materials, and other ignition sources.


10.6. Hazardous Decomposition Products: Explosive decomposition may occur if combined with strong acids or strong bases and subjected to elevated temperatures.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on Toxicological Effects

Acute Toxicity (Oral): Not classified
Acute Toxicity (Dermal): Not classified
Acute Toxicity (Inhalation): Not classified

D-Limonene (5989-27-5)

LD50 Oral Rat 4400 mg/kg
LD50 Dermal Rabbit > 5 g/kg

Poly(oxy-1,2-ethanediyl), .alpha.-4-nonylphenyl)-.omega.-hydroxy-, branched (127087-87-0)

LD50 Oral Rat 1310 mg/kg

Polyethylene glycol (25322-68-3)

LD50 Oral Rat 22 g/kg
LD50 Dermal Rabbit > 20 g/kg

Skin Corrosion/Irritation: Causes skin irritation.

pH: Not applicable

Serious Eye Damage/Irritation: Causes serious eye irritation.

pH: Not applicable

Respiratory or Skin Sensitization: May cause an allergic skin reaction.

Germ Cell Mutagenicity: Not classified
Carcinogenicity: Not classified

D-Limonene (5989-27-5)

IARC group 3
National Toxicology Program (NTP) Status Evidence of Carcinogenicity.

Reproductive Toxicity: Not classified
Specific Target Organ Toxicity (Single Exposure): Not classified
Specific Target Organ Toxicity (Repeated Exposure): Not classified

Aspiration Hazard: May be fatal if swallowed and enters airways.

Symptoms/Injuries After Inhalation: Prolonged exposure may cause irritation.

Symptoms/Injuries After Skin Contact: May cause an allergic skin reaction. Redness, pain, swelling, itching, burning, dryness, and dermatitis.

Symptoms/Injuries After Eye Contact: Contact causes severe irritation with redness and swelling of the conjunctiva.

Symptoms/Injuries After Ingestion: Aspiration into the lungs can occur during ingestion or vomiting and may cause lung injury.

Chronic Symptoms: None expected under normal conditions of use.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Ecology - General: Very toxic to aquatic life with long lasting effects.

D-Limonene (5989-27-5)

LC50 Fish 1 0.619 (0.619 - 0.796) mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])

EC50 Daphnia 1 0.421 mg/l

LC50 Fish 2 35 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss)

Poly(oxy-1,2-ethanediyl), .alpha.-4-nonylphenyl)-.omega.-hydroxy-, branched (127087-87-0)

09/10/2019 EN (English US)
LC50 Fish 1: 11.6 mg/l

12.2. Persistence and Degradability

L&M™ CITREX™

Persistence and Degradability: May cause long-term adverse effects in the environment.

12.3. Bioaccumulative Potential

L&M™ CITREX™

Bioaccumulative Potential: Not established.

12.4. Mobility in Soil: No additional information available

12.5. Other Adverse Effects

Other Information: Avoid release to the environment.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste Treatment Methods

Waste Disposal Recommendations: Dispose of contents/container in accordance with local, regional, national, and international regulations.

Additional Information: Handle empty containers with care because residual vapors are flammable.

Ecology - Waste Materials: Avoid release to the environment. This material is hazardous to the aquatic environment. Keep out of sewers and waterways.

SECTION 14: TRANSPORT INFORMATION

The shipping description(s) stated herein were prepared in accordance with certain assumptions at the time the SDS was authored, and can vary based on a number of variables that may or may not have been known at the time the SDS was issued.

14.1. In Accordance with DOT

Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCES, LIQUID, N.O.S. (D-Limonene; Poly(oxy-1,2-ethanediyl), .alpha.- (4-nonylphenyl) .omega.- hydroxy-, branched)

Hazard Class: 9
Identification Number: UN3082
Label Codes: 9
Packing Group: III
Marine Pollutant: Marine pollutant
ERG Number: 171

14.2. In Accordance with IMDG

Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (D-Limonene; Poly(oxy-1,2-ethanediyl), .alpha.- (4-nonylphenyl) .omega.- hydroxy-, branched)

Hazard Class: 9
Identification Number: UN3082
Packing Group: III
Label Codes: 9
EmS-No. (Fire): F-A
EmS-No. (Spillage): S-F
Marine Pollutant: Marine pollutant

14.3. In Accordance with IATA

Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (D-Limonene; Poly(oxy-1,2-ethanediyl), .alpha.- (4-nonylphenyl) .omega.- hydroxy-, branched)

Packing Group: III
Identification Number: UN3082
Hazard Class: 9
Label Codes: 9
ERG Code (IATA): 9L

SECTION 15: REGULATORY INFORMATION

15.1. US Federal Regulations

L&M™ CITREX™

SARA Section 311/312 Hazard Classes:
- Health hazard - Respiratory or skin sensitization
- Health hazard - Skin corrosion or irritation
- Physical hazard - Flammable (gases, aerosols, liquids, or solids)
- Health hazard - Serious eye damage or eye irritation
Health hazard - Aspiration hazard

**D-Limonene (5989-27-5)**
Listed on the United States TSCA (Toxic Substances Control Act) inventory

**Poly(oxy-1,2-ethanediyl), alpha-..(4-nonylphenyl).omega.-hydroxy-, branched (127087-87-0)**
Listed on the United States TSCA (Toxic Substances Control Act) inventory
Subject to reporting requirements of United States SARA Section 313

**EPA TSCA Regulatory Flag**

XU - XU - indicates a substance exempt from reporting under the Chemical Data Reporting Rule, (40 CFR 711).

**SARA Section 313 - Emission Reporting**

1 %

**Polyethylene glycol (25322-68-3)**
Listed on the United States TSCA (Toxic Substances Control Act) inventory

**EPA TSCA Regulatory Flag**

XU - XU - indicates a substance exempt from reporting under the Chemical Data Reporting Rule, (40 CFR 711).

**15.2. US State Regulations**
Neither this product nor its chemical components appear on any US state lists, or its chemical components are not required to be disclosed

**SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION**

Date of Preparation or Latest Revision: 09/10/2019
Other Information:
This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200

**GHS Full Text Phrases:**

<table>
<thead>
<tr>
<th>Acute Tox. 4 (Oral)</th>
<th>Acute toxicity (oral) Category 4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aquatic Acute 1</td>
<td>Hazardous to the aquatic environment - Acute Hazard Category 1</td>
</tr>
<tr>
<td>Aquatic Acute 3</td>
<td>Hazardous to the aquatic environment - Acute Hazard Category 3</td>
</tr>
<tr>
<td>Aquatic Chronic 1</td>
<td>Hazardous to the aquatic environment - Chronic Hazard Category 1</td>
</tr>
<tr>
<td>Aquatic Chronic 2</td>
<td>Hazardous to the aquatic environment - Chronic Hazard Category 2</td>
</tr>
<tr>
<td>Asp. Tox. 1</td>
<td>Aspiration hazard Category 1</td>
</tr>
<tr>
<td>Eye Dam. 1</td>
<td>Serious eye damage/eye irritation Category 1</td>
</tr>
<tr>
<td>Eye Irrit. 2</td>
<td>Serious eye damage/eye irritation Category 2</td>
</tr>
<tr>
<td>Flam. Liq. 3</td>
<td>Flammable liquids Category 3</td>
</tr>
<tr>
<td>Flam. Liq. 4</td>
<td>Flammable liquids Category 4</td>
</tr>
<tr>
<td>Skin Irrit. 2</td>
<td>Skin corrosion/irritation Category 2</td>
</tr>
<tr>
<td>Skin Sens. 1</td>
<td>Skin sensitization, Category 1</td>
</tr>
<tr>
<td>Skin Sens. 1B</td>
<td>Skin sensitization, category 1B</td>
</tr>
<tr>
<td>STOT SE 3</td>
<td>Specific target organ toxicity (single exposure) Category 3</td>
</tr>
<tr>
<td>H226</td>
<td>Flammable liquid and vapor</td>
</tr>
<tr>
<td>H227</td>
<td>Combustible liquid</td>
</tr>
<tr>
<td>H302</td>
<td>Harmful if swallowed</td>
</tr>
<tr>
<td>H304</td>
<td>May be fatal if swallowed and enters airways</td>
</tr>
<tr>
<td>H315</td>
<td>Causes skin irritation</td>
</tr>
<tr>
<td>H317</td>
<td>May cause an allergic skin reaction</td>
</tr>
<tr>
<td>H318</td>
<td>Causes serious eye damage</td>
</tr>
<tr>
<td>H319</td>
<td>Causes serious eye irritation</td>
</tr>
<tr>
<td>H335</td>
<td>May cause respiratory irritation</td>
</tr>
<tr>
<td>H400</td>
<td>Very toxic to aquatic life</td>
</tr>
<tr>
<td>H402</td>
<td>Harmful to aquatic life</td>
</tr>
<tr>
<td>H410</td>
<td>Very toxic to aquatic life with long lasting effects</td>
</tr>
<tr>
<td>H411</td>
<td>Toxic to aquatic life with long lasting effects</td>
</tr>
</tbody>
</table>

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.
SDS US (GHS HazCom)