SECTION 1: IDENTIFICATION

1.1. Product Identifier
Product Form: Mixture
Product Name: L&M™ E-CON™

1.2. Intended Use of the Product
Use of the Substance/Mixture: Curing compound

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

Company
LATICRETE Canada ULC
PO Box 129, Emeryville, Ontario, Canada
NOR-1A0
(833)-254-9255

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
Skin Sens. 1 H317
Aquatic Acute 3 H402

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): Warning
H402 - Harmful to aquatic life.
Precautionary Statements (GHS-US): P261 - Avoid breathing vapors, mist, or spray.
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.
P302+P352 - If on skin: Wash with plenty of water.
P321 - Specific treatment (see section 4 on this SDS).
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.
P363 - Wash contaminated clothing before reuse.
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

3.1. Substance
Not applicable

3.2. Mixture

<table>
<thead>
<tr>
<th>Name</th>
<th>Product Identifier</th>
<th>%</th>
<th>GHS US classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-Octadecanol</td>
<td>(CAS-No.) 112-92-5</td>
<td>1 - 5</td>
<td>Comb. Dust</td>
</tr>
</tbody>
</table>
** 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: Remove contaminated clothing. 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: Remove contact lenses, if present and easy to do. Continue rinsing. Rinse cautiously with water for at least 15 minutes. Obtain medical attention.

First-aid Measures After Ingestion: Rinse mouth. Do NOT induce vomiting. Obtain medical attention.

** 4.2. ** Most Important Symptoms and Effects Both Acute and Delayed

Symptoms/Injuries: Skin sensitization.

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

Symptoms/Injuries After Skin Contact: May cause an allergic skin reaction.

Symptoms/Injuries After Eye Contact: May cause slight irritation to eyes.

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: Water spray, fog, carbon dioxide (CO₂), alcohol-resistant foam, or dry chemical.

Unsuitable Extinguishing Media: Do not use a heavy water stream. Use of heavy stream of water may spread fire.

** 5.2. ** Special Hazards Arising From the Substance or Mixture

Fire Hazard: Will not support combustion unless the water has evaporated.

Explosion Hazard: Product is not explosive.

Reactivity: Hazardous reactions will not occur under normal conditions.

** 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.

Protection During Firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

Hazardous Combustion Products: Carbon oxides (CO, CO₂).

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.
6.1.1. For Non-Emergency Personnel
Protective Equipment: Use appropriate personal protective equipment (PPE).

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.

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

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.
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.

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
Precautions for Safe Handling: Avoid prolonged contact with eyes, skin and clothing. Avoid breathing vapors, mist, spray. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.
Hygiene Measures: Handle in accordance with good industrial hygiene and safety procedures.

7.2. Conditions for Safe Storage, Including Any Incompatibilities
Technical Measures: Comply with applicable regulations.
Storage Conditions: Keep container closed when not in use. Store in a dry, cool place. Keep/Store away from direct sunlight, extremely high or low temperatures and incompatible materials.
Incompatible Materials: Strong oxidizers.

7.3. Specific End Use(s)
Curing compound

SECTION 8: EXPOSURE CONTROLS/PERSONAL 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>USA ACGIH ACGIH TWA (ppm)</th>
<th>USA ACGIH ACGIH STEL (ppm)</th>
<th>USA NIOSH NIOSH REL (TWA) (mg/m³)</th>
<th>USA NIOSH NIOSH REL (TWA) (ppm)</th>
<th>USA NIOSH NIOSH REL (STEL) (mg/m³)</th>
<th>USA NIOSH NIOSH REL (STEL) (ppm)</th>
<th>USA IDLH US IDLH (ppm)</th>
<th>USA OSHA OSHA PEL (TWA) (mg/m³)</th>
<th>USA OSHA OSHA PEL (TWA) (ppm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acetic acid (64-19-7)</td>
<td>10 ppm</td>
<td>15 ppm</td>
<td>25 mg/m³</td>
<td>10 ppm</td>
<td>37 mg/m³</td>
<td>15 ppm</td>
<td>50 ppm</td>
<td>25 mg/m³</td>
<td>10 ppm</td>
</tr>
<tr>
<td>1,2-Propanediol (57-55-6)</td>
<td>10 mg/m³</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

8.2. Exposure Controls
Appropriate Engineering Controls: Suitable eye/body wash equipment should be available in the vicinity of any potential exposure. Ensure adequate ventilation, especially in confined areas. Ensure all national/local regulations are observed.


Materials for Protective Clothing: Chemically resistant materials and fabrics.
Hand Protection: Wear protective gloves.
**Safety Data Sheet**

According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

---

**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**

- **Physical State**: Liquid
- **Appearance**: Pink
- **Odor**: No data available
- **Odor Threshold**: No data available
- **pH**: 7.2
- **Evaporation Rate**: No data available
- **Melting Point**: No data available
- **Freezing Point**: No data available
- **Boiling Point**: No data available
- **Flash Point**: No data available
- **Auto-ignition Temperature**: No data available
- **Decomposition Temperature**: No data available
- **Flammability (solid, gas)**: Not applicable
- **Vapor Pressure**: No data available
- **Relative Vapor Density at 20°C**: No data available
- **Relative Density**: No data available
- **Specific Gravity**: 0.81
- **Solubility**: Water: Soluble
- **Partition Coefficient: N-Octanol/Water**: No data available
- **Viscosity**: No data available

**9.2. Other Information**: No additional information available

---

**SECTION 10: STABILITY AND REACTIVITY**

**10.1. Reactivity**: Hazardous reactions will not occur under normal conditions.

**10.2. Chemical Stability**: Stable under recommended handling and storage conditions (see section 7).

**10.3. Possibility of Hazardous Reactions**: Hazardous polymerization will not occur.

**10.4. Conditions to Avoid**: Direct sunlight, extremely high or low temperatures, and incompatible materials.

**10.5. Incompatible Materials**: Strong oxidizers.

**10.6. Hazardous Decomposition Products**: Not expected to decompose under ambient conditions.

---

**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

<table>
<thead>
<tr>
<th>Compound</th>
<th>Acute Toxicity (Oral)</th>
<th>Acute Toxicity (Dermal)</th>
<th>Acute Toxicity (Inhalation)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-Octadecanol (112-92-5)</td>
<td>&gt; 5000 mg/kg</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LD50 Oral Rat</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LD50 Dermal Rabbit</td>
<td>8000 mg/kg</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3(2H)-Isothiazolone, 2-methyl- (2682-20-4)</td>
<td></td>
<td>120 mg/kg</td>
<td></td>
</tr>
<tr>
<td>LD50 Oral Rat</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LD50 Dermal Rabbit</td>
<td>200 mg/kg</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LC50 Inhalation Rat</td>
<td>0.11 mg/l/4h</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Acetic acid (64-19-7)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LD50 Oral Rat</td>
<td>3310 mg/kg</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1,2-Propanediol (57-55-6)</td>
<td></td>
<td>20 g/kg</td>
<td></td>
</tr>
<tr>
<td>LD50 Oral Rat</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LD50 Dermal Rabbit</td>
<td>20800 mg/kg</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Skin Corrosion/Irritation**: Not classified (pH: 7.2)
SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity
Ecology - General: Harmful to aquatic life.

1-Octadecanol (112-92-5)
- LC50 Fish 1: > 10000 mg/l (Exposure time: 96 h - Species: Brachydanio rerio)
- EC50 Daphnia 1: 1666 mg/l (Exposure time: 48 h - Species: Daphnia magna)

Acetic acid (64-19-7)
- LC50 Fish 1: 79 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])
- EC50 Daphnia 1: 65 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
- LC50 Fish 2: 75 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static])

1,2-Propanediol (57-55-6)
- LC50 Fish 1: 51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
- EC50 Daphnia 1: 10000 mg/l (Exposure time: 24 h - Species: Daphnia magna)
- LC50 Fish 2: 41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
- EC50 Daphnia 2: 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])

12.2. Persistence and Degradability
L&M™ E-CON™
Persistence and Degradability: Not established.

12.3. Bioaccumulative Potential
L&M™ E-CON™
Bioaccumulative Potential: Not established.

1-Octadecanol (112-92-5)
- BCF Other Aquatic Organisms 1: 1000
- Log Pow: 7.19

Acetic acid (64-19-7)
- Log Pow: -0.31 (at 20 °C)

1,2-Propanediol (57-55-6)
- BCF Fish 1: < 1
- Log Pow: -0.92

12.4. Mobility in Soil
1-Octadecanol (112-92-5)
- Mobility In Soil: 28.7 % (Mass Distribution by Environmental Compartment via Fugacity Level III Model)

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: Container may remain hazardous when empty. Continue to observe all precautions.
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  Not regulated for transport
14.2. In Accordance with IMDG Not regulated for transport
14.3. In Accordance with IATA Not regulated for transport

SECTION 15: REGULATORY INFORMATION

15.1. US Federal Regulations

<table>
<thead>
<tr>
<th>L&amp;M™ E-CON™</th>
<th>SARA Section 311/312 Hazard Classes</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Health hazard - Respiratory or skin sensitization</td>
</tr>
</tbody>
</table>

1-Octadecanol (112-92-5)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

3(2H)-Isothiazolone, 2-methyl- (2682-20-4)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

EPA TSCA Regulatory Flag

PMN - PMN - indicates a commenced PMN substance.

SP - SP - indicates a substance that is identified in a proposed Significant New Uses Rule.

Acetic acid (64-19-7)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

CERCLA RQ

5000 lb

1,2-Propanediol (57-55-6)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

15.2. US State Regulations

Acetic acid (64-19-7)

U.S. - Massachusetts - Right To Know List
U.S. - New Jersey - Right to Know Hazardous Substance List
U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List
U.S. - Pennsylvania - RTK (Right to Know) List

CERCLA RQ

5000 lb

1,2-Propanediol (57-55-6)

U.S. - New Jersey - Right to Know Hazardous Substance List
U.S. - Pennsylvania - RTK (Right to Know) List

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

Date of Preparation or Latest Revision: 08/12/2019
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:

<p>| Acute Tox. 2 (Inhalation:dust,mist) | Acute toxicity (inhalation:dust,mist) Category 2 |
| Acute Tox. 3 (Dermal) | Acute toxicity (dermal) Category 3 |
| Acute Tox. 3 (Oral) | Acute toxicity (oral) Category 3 |
| Aquatic Acute 1 | Hazardous to the aquatic environment - Acute Hazard Category 1 |
| Aquatic Acute 3 | Hazardous to the aquatic environment - Acute Hazard Category 3 |
| Aquatic Chronic 1 | Hazardous to the aquatic environment - Chronic Hazard Category 1 |
| Comb. Dust | Combustible Dust |
| Eye Dam. 1 | Serious eye damage/eye irritation Category 1 |
| Flam. Liq. 3 | Flammable liquids Category 3 |
| Skin Corr. 1A | Skin corrosion/irritation Category 1A |
| Skin Corr. 1B | Skin corrosion/irritation Category 1B |
| Skin Sens. 1 | Skin sensitization, Category 1 |
| Skin Sens. 1A | Skin sensitization, category 1A |
| STOT SE 3 | Specific target organ toxicity (single exposure) Category 3 |</p>
<table>
<thead>
<tr>
<th>H226</th>
<th>Flammable liquid and vapor</th>
</tr>
</thead>
<tbody>
<tr>
<td>H311</td>
<td>Toxic in contact with skin</td>
</tr>
<tr>
<td>H314</td>
<td>Causes severe skin burns and eye damage</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>H330</td>
<td>Fatal if inhaled</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>
</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)