1. Identification

Product identifier: L&M™ DEBOND®

Other means of identification: None.

Recommended use: Concrete form release.

Recommended restrictions: None known.

Manufacturer/Importer/Supplier/Distributor information

Company Name: LATICRETE International

Address: 1 Laticrete Park, N
Bethany, CT 06524

Telephone: (203)-393-0010

Contact person: Steve Fine

Website: www.laticrete.com

Emergency phone number: Call CHEMTREC day or night
USA/Canada - 1.800.424.9300
Mexico - 1.800.681.9531
Outside USA/Canada 1.703.527.3887

2. Hazard(s) identification

Physical hazards: Not classified.

Health hazards: Specific target organ toxicity, single exposure Category 3 respiratory tract irritation
Aspiration hazard Category 1

OSHA defined hazards: Not classified.

Label elements

Signal word: Danger

Hazard statement: May cause respiratory irritation. May be fatal if swallowed and enters airways.

Precautionary statement

Prevention: Avoid breathing mist or vapor. Use only outdoors or in a well-ventilated area.

Response: If inhaled: Remove person to fresh air and keep comfortable for breathing. If swallowed: Immediately call a poison center/doctor. Do NOT induce vomiting.

Storage: Store in a well-ventilated place. Keep container tightly closed. Store locked up.

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

Hazard(s) not otherwise classified (HNOC): Not classified.

Supplemental information: None.

3. Composition/information on ingredients

Mixtures

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CAS number</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Petroleum distillates, hydrotreated light naphthenic</td>
<td>64742-53-6</td>
<td>93 - 98</td>
</tr>
</tbody>
</table>

Oleic acid | 112-80-1 | 2 - 7
All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

### 4. First-aid measures

#### Inhalation
Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if any discomfort continues.

#### Skin contact
Wash off with soap and water. Get medical attention if irritation develops or persists.

#### Eye contact
Rinse with water. Remove contact lenses, if present and easy to do. Get medical attention if irritation develops or persists.

#### Ingestion
Rinse mouth. Do not induce vomiting. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. If swallowed: Immediately call a poison center/doctor.

#### Most important symptoms/effects, acute and delayed
Exposure may cause temporary irritation, redness, or discomfort. Droplets of the product aspirated into the lungs through ingestion or vomiting may cause a serious chemical pneumonia.

#### Indication of immediate medical attention and special treatment needed
Provide general supportive measures and treat symptomatically.

#### General information
Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

### 5. Fire-fighting measures

#### Suitable extinguishing media
Water spray, foam, dry powder or carbon dioxide.

#### Unsuitable extinguishing media
Do not use water jet as an extinguisher, as this will spread the fire.

#### Specific hazards arising from the chemical
By heating and fire, irritating vapors/gases may be formed.

#### Special protective equipment and precautions for firefighters
Self-contained breathing apparatus and full protective clothing must be worn in case of fire. Selection of respiratory protection for firefighting: follow the general fire precautions indicated in the workplace.

#### Fire fighting equipment/instructions
Move containers from fire area if you can do so without risk. Use water spray to cool unopened containers.

#### General fire hazards
Will burn if involved in a fire.

### 6. Accidental release measures

#### Personal precautions, protective equipment and emergency procedures
Keep unnecessary personnel away. Wear appropriate protective equipment and clothing during clean-up. Ensure adequate ventilation.

#### Methods and materials for containment and cleaning up
Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills in original containers for re-use. For waste disposal, see Section 13 of the SDS.

#### Environmental precautions
Do not discharge into drains, water courses or onto the ground.

### 7. Handling and storage

#### Precautions for safe handling
Avoid prolonged exposure. Do not breathe mist or vapor. Do not get in eyes, on skin, on clothing. Use with adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.

#### Conditions for safe storage, including any incompatibilities
Keep container tightly closed. Store in a cool and well-ventilated place. Store away from incompatible materials (See Section 10).
8. Exposure controls/personal protection

Occupational exposure limits

**US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)**

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
<th>Form</th>
</tr>
</thead>
<tbody>
<tr>
<td>Petroleum distillates, hydrotreated light naphthenic (CAS 64742-53-6)</td>
<td>PEL</td>
<td>5 mg/m³</td>
<td>Mist.</td>
</tr>
</tbody>
</table>

**US. ACGIH Threshold Limit Values**

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
<th>Form</th>
</tr>
</thead>
<tbody>
<tr>
<td>Petroleum distillates, hydrotreated light naphthenic (CAS 64742-53-6)</td>
<td>TWA</td>
<td>5 mg/m³</td>
<td>Inhalable fraction.</td>
</tr>
</tbody>
</table>

**US. NIOSH: Pocket Guide to Chemical Hazards**

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
<th>Form</th>
</tr>
</thead>
<tbody>
<tr>
<td>Petroleum distillates, hydrotreated light naphthenic (CAS 64742-53-6)</td>
<td>STEL</td>
<td>10 mg/m³</td>
<td>Mist.</td>
</tr>
</tbody>
</table>

| | TWA | 5 mg/m³ | Mist. |

**Biological limit values**
No biological exposure limits noted for the ingredient(s).

**Appropriate engineering controls**
Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

**Individual protection measures, such as personal protective equipment**

**Eye/face protection**
Wear safety glasses with side shields (or goggles).

**Skin protection**
Wear appropriate chemical resistant gloves. Nitrile gloves are recommended.

**Hand protection**
Wear appropriate chemical resistant clothing.

**Respiratory protection**
In case of insufficient ventilation, wear suitable respiratory equipment.

**Thermal hazards**
Wear appropriate thermal protective clothing, when necessary.

**General hygiene considerations**
Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

9. Physical and chemical properties

**Appearance**

<table>
<thead>
<tr>
<th>Physical state</th>
<th>Liquid.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Form</td>
<td>Liquid.</td>
</tr>
<tr>
<td>Color</td>
<td>Clear amber.</td>
</tr>
</tbody>
</table>

**Odor**
No data available.

**Odor threshold**
Not available.

**pH**
No data available.

**Melting point/freezing point**
Not applicable.

**Initial boiling point and boiling range**
550 °F (287.78 °C)

**Flash point**
280.0 °F (137.8 °C)

**Evaporation rate**
Not applicable.

**Flammability (solid, gas)**
Not applicable.
Upper/lower flammability or explosive limits

- **Flammability limit - lower (%)** Not available.
- **Flammability limit - upper (%)** Not available.

**Vapor pressure** Not applicable.
**Vapor density** 9 (Air=1)
**Relative density** 0.89

**Solubility(ies)**
- **Solubility (water)** Insoluble in water.
**Partition coefficient (n-octanol/water)** No data available.

**Auto-ignition temperature** Not available.
**Decomposition temperature** Not available.

**Viscosity** < 20.5 mm²/s

**Other information**
- **Explosive properties** Not explosive.
- **Oxidizing properties** Not oxidizing.

10. **Stability and reactivity**

**Reactivity**
The product is stable and non-reactive under normal conditions of use, storage and transport.

**Chemical stability**
Material is stable under normal conditions.

**Possibility of hazardous reactions**
Will not occur.

**Conditions to avoid**
Heat, flames and sparks. Contact with incompatible materials.

**Incompatible materials**
Acids. Strong oxidizing agents, such as liquid chlorine, concentrated oxygen, sodium hypochlorite, calcium hypochlorite, etc.

**Hazardous decomposition products**
Carbon oxides. Smoke.

11. **Toxicological information**

**Information on likely routes of exposure**

- **Inhalation** May cause respiratory tract irritation.
- **Skin contact** Prolonged exposure may cause skin irritation.
- **Eye contact** Direct contact with eyes may cause temporary irritation.
- **Ingestion** May cause discomfort if swallowed.

**Symptoms related to the physical, chemical and toxicological characteristics**
Exposure may cause temporary irritation, redness, or discomfort. Droplets of the product aspirated into the lungs through ingestion or vomiting may cause a serious chemical pneumonia.

**Information on toxicological effects**

- **Acute toxicity** May cause discomfort if swallowed.
- **Skin corrosion/irritation** Prolonged or repeated contact may dry skin and cause dermatitis.
- **Serious eye damage/eye irritation** May cause eye irritation.

**Respiratory or skin sensitization**

- **Respiratory sensitization** No data available.
- **Skin sensitization** Not a skin sensitizer.

**Germ cell mutagenicity**
No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

**Carcinogenicity**
Not classified.

IARC Monographs. Overall Evaluation of Carcinogenicity
Petroleum distillates, hydrotreated light naphthenic (CAS 64742-53-6) Not classifiable as to carcinogenicity to humans.
NTP Report on Carcinogens
Not listed.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)
Not regulated.

Reproductive toxicity
No data available.

Specific target organ toxicity -
single exposure
May cause respiratory irritation.

Specific target organ toxicity -
repeated exposure
No data available.

Aspiration hazard
May be fatal if swallowed and enters airways.

Chronic effects
Prolonged exposure may cause chronic effects.

Further information
Prolonged or repeated contact with skin may cause redness, itching, irritation, eczema/chapping and oil acne.

12. Ecological information

Ecotoxicity
Oil spills are generally hazardous to the environment.

<table>
<thead>
<tr>
<th>Components</th>
<th>Species</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Petroleum distillates, hydrotreated light naphthenic (CAS 64742-53-6)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Aquatic</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Acute</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Crustacea</td>
<td>EC50</td>
<td>Daphnia magna</td>
</tr>
<tr>
<td>Fish</td>
<td>LC50</td>
<td>Oncorhynchus mykiss</td>
</tr>
</tbody>
</table>

Persistence and degradability
The product is not expected to be readily biodegradable.

Bioaccumulative potential
No data available.

Mobility in soil
The product is insoluble in water.

Other adverse effects
No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

13. Disposal considerations

Disposal instructions
Dispose in accordance with all applicable regulations.

Hazardous waste code
The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

Waste from residues / unused products
Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

Contaminated packaging
Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

14. Transport information

DOT
Not regulated as dangerous goods.

IATA
Not regulated as dangerous goods.

IMDG
Not regulated as dangerous goods.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
Not established.

15. Regulatory information

US federal regulations
This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)
Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)
Not regulated.
CERCLA Hazardous Substance List (40 CFR 302.4)
Not listed.

Superfund Amendments and Reauthorization Act of 1986 (SARA)
Hazard categories
Immediate Hazard - Yes
Delayed Hazard - No
Fire Hazard - No
Pressure Hazard - No
Reactivity Hazard - No

SARA 302 Extremely hazardous substance
Not listed.

SARA 311/312 Hazardous chemical
Yes

SARA 313 (TRI reporting)
Not regulated.

Other federal regulations
Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List
Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)
Not regulated.

Safe Drinking Water Act (SDWA)
Not regulated.

US state regulations
This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

US. Massachusetts RTK - Substance List
Petroleum distillates, hydrotreated light naphthenic (CAS 64742-53-6)

US. New Jersey Worker and Community Right-to-Know Act
Not listed.

US. Pennsylvania Worker and Community Right-to-Know Law
Oleic acid (CAS 112-80-1)

US. Rhode Island RTK
Oleic acid (CAS 112-80-1)
Petroleum distillates, hydrotreated light naphthenic (CAS 64742-53-6)

International Inventories

<table>
<thead>
<tr>
<th>Country(s) or region</th>
<th>Inventory name</th>
<th>On inventory (yes/no)*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Australia</td>
<td>Australian Inventory of Chemical Substances (AICS)</td>
<td>Yes</td>
</tr>
<tr>
<td>Canada</td>
<td>Domestic Substances List (DSL)</td>
<td>Yes</td>
</tr>
<tr>
<td>Canada</td>
<td>Non-Domestic Substances List (NDSL)</td>
<td>No</td>
</tr>
<tr>
<td>China</td>
<td>Inventory of Existing Chemical Substances in China (IECSC)</td>
<td>Yes</td>
</tr>
<tr>
<td>Europe</td>
<td>European Inventory of Existing Commercial Chemical Substances (EINECS)</td>
<td>No</td>
</tr>
<tr>
<td>Europe</td>
<td>European List of Notified Chemical Substances (ELINCS)</td>
<td>Yes</td>
</tr>
<tr>
<td>Japan</td>
<td>Inventory of Existing and New Chemical Substances (ENCS)</td>
<td>No</td>
</tr>
<tr>
<td>Korea</td>
<td>Existing Chemicals List (ECL)</td>
<td>Yes</td>
</tr>
<tr>
<td>New Zealand</td>
<td>New Zealand Inventory</td>
<td>Yes</td>
</tr>
<tr>
<td>Philippines</td>
<td>Philippine Inventory of Chemicals and Chemical Substances (PICCS)</td>
<td>Yes</td>
</tr>
<tr>
<td>United States &amp; Puerto Rico</td>
<td>Toxic Substances Control Act (TSCA) Inventory</td>
<td>Yes</td>
</tr>
</tbody>
</table>

*A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s).
A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

16. Other information, including date of preparation or last revision

Issue date 20-April-2017
Revision date -
Version # 01
NFPA ratings

References
HSDB® - Hazardous Substances Data Bank
Registry of Toxic Effects of Chemical Substances (RTECS)

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