1. Identification

Product identifier  L&M™ JOINT TITE 750™ Part A
Other means of identification None.
Recommended use Repair product.
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
- Skin corrosion/irritation Category 2
- Serious eye damage/eye irritation Category 2A
- Sensitization, respiratory Category 1
- Sensitization, skin Category 1
- Carcinogenicity Category 2
- Specific target organ toxicity following single exposure Category 3 respiratory tract irritation
- Specific target organ toxicity following repeated exposure Category 2 (respiratory system, lung)

Environmental hazards Not classified.

Label elements

Signal word Danger

Hazard statement Causes skin irritation. Causes serious eye irritation. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction. Suspected of causing cancer. May cause respiratory irritation. May cause damage to organs (Respiratory system, lung) through prolonged or repeated exposure.

Precautionary statements

Prevention Wash thoroughly after handling. Avoid breathing mist or vapour. Contaminated work clothing must not be allowed out of the workplace. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves/protective clothing/eye protection/face protection. Use only outdoors or in a well-ventilated area.
Response

IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. IF INHALED: Remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Call a poison centre/doctor. IF exposed or concerned: Get medical advice/attention. Call a poison centre/doctor if you feel unwell.

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.

Other hazards

None known.

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>Polyurethane prepolymer</td>
<td>68092-58-0</td>
<td>30 - 60</td>
</tr>
<tr>
<td>Methylene diphenyl diisocyanate</td>
<td>101-68-8</td>
<td>20 - 40</td>
</tr>
<tr>
<td>Propylene carbonate</td>
<td>108-32-7</td>
<td>10 - 20</td>
</tr>
<tr>
<td>Diisocyanate methylenediphenyl</td>
<td>26447-40-5</td>
<td>0.6 - 1.1</td>
</tr>
</tbody>
</table>

Composition comments

All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

4. First-aid measures

Inhalation

Move to fresh air. If breathing is difficult, give oxygen. Call a physician if symptoms develop or persist.

Skin contact

Remove contaminated clothing and wash skin with soap and water. If skin rash or an allergic skin reaction develops, get medical attention.

Eye contact

Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.

Ingestion

Rinse mouth. Get medical attention if symptoms occur.

Most important symptoms/effects, acute and delayed

Rash. Irritant effects. Symptoms include redness, itching and pain. Prolonged exposure may cause chronic effects.

Indication of immediate medical attention and special treatment needed

Provide general supportive measures and treat symptomatically. Symptoms may be delayed.

General information

Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. If exposed or concerned: get medical attention/advice.

5. Fire-fighting measures

Suitable extinguishing media

Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).

Unsuitable extinguishing media

Do not use water jet as an extinguisher, as this will spread the fire.

Specific hazards arising from the chemical

During fire, gases hazardous to health 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.

Fire fighting equipment/instructions

In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk.

General fire hazards

No unusual fire or explosion hazards noted.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Keep unnecessary personnel away. Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained.
Methods and materials for containment and cleaning up

Large Spills: Stop the flow of material, if this is without risk. 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.

Environmental precautions

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

7. Handling and storage

Precautions for safe handling

Avoid contact with skin, eyes and clothing. Avoid breathing mist or vapour. Persons susceptible for allergic reactions should not handle this product. Do not handle until all safety precautions have been read and understood. Provide adequate ventilation. Observe good industrial hygiene practices.

Conditions for safe storage, including any incompatibilities

Keep container tightly closed. Store in a well-ventilated place. Store away from incompatible materials.

8. Exposure controls/personal protection

Occupational exposure limits

US. ACGIH Threshold Limit Values

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diisocyanate methylenediphenyl (CAS 26447-40-5)</td>
<td>TWA</td>
<td>0.005 ppm</td>
</tr>
<tr>
<td>Methylene diphenyl diisocyanate (CAS 101-68-8)</td>
<td>TWA</td>
<td>0.005 ppm</td>
</tr>
</tbody>
</table>

Canada. Alberta OELs (Occupational Health & Safety Code, Schedule 1, Table 2)

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diisocyanate methylenediphenyl (CAS 26447-40-5)</td>
<td>TWA</td>
<td>0.05 mg/m3</td>
</tr>
<tr>
<td>Methylene diphenyl diisocyanate (CAS 101-68-8)</td>
<td>TWA</td>
<td>0.05 mg/m3</td>
</tr>
</tbody>
</table>

Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended)

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diisocyanate methylenediphenyl (CAS 26447-40-5)</td>
<td>Ceiling</td>
<td>0.01 ppm</td>
</tr>
<tr>
<td>Methylene diphenyl diisocyanate (CAS 101-68-8)</td>
<td>TWA</td>
<td>0.005 ppm</td>
</tr>
<tr>
<td>Methylene diphenyl diisocyanate (CAS 101-68-8)</td>
<td>Ceiling</td>
<td>0.01 ppm</td>
</tr>
<tr>
<td>TWA</td>
<td></td>
<td>0.005 ppm</td>
</tr>
</tbody>
</table>

Canada. Manitoba OELs (Reg. 217/2006, The Workplace Safety And Health Act)

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diisocyanate methylenediphenyl (CAS 26447-40-5)</td>
<td>TWA</td>
<td>0.005 ppm</td>
</tr>
<tr>
<td>Methylene diphenyl diisocyanate (CAS 101-68-8)</td>
<td>TWA</td>
<td>0.005 ppm</td>
</tr>
</tbody>
</table>

Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents)

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diisocyanate methylenediphenyl (CAS 26447-40-5)</td>
<td>Ceiling</td>
<td>0.02 ppm</td>
</tr>
</tbody>
</table>

L&M™ JOINT TITE 750™ Part A

928536 Version #: 01 Revision date: - Issue date: 21-June-2017

SDS Canada 3 / 7
### Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents)

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Methylene diphenyl diisocyanate (CAS 101-68-8)</td>
<td>TWA</td>
<td>0.005 ppm</td>
</tr>
<tr>
<td></td>
<td>Ceiling</td>
<td>0.02 ppm</td>
</tr>
<tr>
<td></td>
<td>TWA</td>
<td>0.005 ppm</td>
</tr>
</tbody>
</table>

### Canada. Quebec OELs. (Ministry of Labor - Regulation respecting occupational health and safety)

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diisocyanate methylenediphenyl (CAS 26447-40-5)</td>
<td>TWA</td>
<td>0.051 mg/m³</td>
</tr>
<tr>
<td></td>
<td></td>
<td>0.005 ppm</td>
</tr>
<tr>
<td>Methylene diphenyl diisocyanate (CAS 101-68-8)</td>
<td>TWA</td>
<td>0.051 mg/m³</td>
</tr>
<tr>
<td></td>
<td></td>
<td>0.005 ppm</td>
</tr>
</tbody>
</table>

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

Exposure guidelines: No exposure standards allocated.

**Canada - British Columbia OELs: Skin designation**
- Diisocyanate methylenediphenyl (CAS 26447-40-5) Can be absorbed through the skin.
- Methylene diphenyl diisocyanate (CAS 101-68-8) Can be absorbed through the skin.

**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. Provide eyewash station.

**Individual protection measures, such as personal protective equipment**
- **Eye/face protection**
  - Wear safety glasses with side shields (or goggles).
- **Skin protection**
  - **Hand protection**
  - Wear appropriate chemical resistant gloves.
  - **Other**
  - 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**
- Keep away from food and drink. 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. Contaminated work clothing should not be allowed out of the workplace.

### 9. Physical and chemical properties

**Appearance**
- **Physical state**
  - Liquid.
- **Form**
  - Liquid.
- **Colour**
  - Clear.
- **Odour**
  - Mild.
- **Odour threshold**
  - Not available.
- **pH**
  - Not available.
- **Melting point/freezing point**
  - Not applicable.
- **Initial boiling point and boiling range**
  - < 204.44 °C (< 400 °F)
- **Flash point**
  - 94.0 °C (201.2 °F)
- **Evaporation rate**
  - Slower than ether.
- **Flammability (solid, gas)**
  - Not available.
- **Upper/lower flammability or explosive limits**
  - **Flammability limit - lower (%)**
    - Not available.
Flammability limit - upper (%) Not available.
Vapour pressure Not applicable.
Vapour density (Air=1) Heavier than air.
Relative density 1.12
Solubility(ies)
   Solubility (water) Reacts with water.
Partition coefficient (n-octanol/water) Not available.
Auto-ignition temperature Not available.
Decomposition temperature Not available.
Viscosity Not available.
Other information
   Density 9.33 lb/gal

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 Hazardous polymerisation will not occur.
Conditions to avoid Heat, sparks, flames, elevated temperatures. Contact with incompatible materials.

11. Toxicological information
Information on likely routes of exposure
   Inhalation Prolonged inhalation may be harmful.
   Skin contact Irritating to skin.
   Eye contact Causes serious eye irritation.
   Ingestion May cause discomfort if swallowed.
Symptoms related to the physical, chemical and toxicological characteristics Irritant effects. Rash. Symptoms include redness, itching and pain.
Information on toxicological effects
   Acute toxicity May cause discomfort if swallowed.

<table>
<thead>
<tr>
<th>Components</th>
<th>Species</th>
<th>Test results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Methylene diphenyl disocyanate (CAS 101-68-8)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Acute</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Inhalation</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LC50</td>
<td>Rat</td>
<td>&gt; 2.24 mg/l, 1 Hours</td>
</tr>
<tr>
<td>Propylene carbonate (CAS 108-32-7)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Acute</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dermal</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LD50</td>
<td>Rabbit</td>
<td>&gt; 2000 mg/kg</td>
</tr>
<tr>
<td>Inhalation</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LC50</td>
<td>Rat</td>
<td>&gt; 5 mg/l</td>
</tr>
<tr>
<td>Oral</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LD50</td>
<td>Rat</td>
<td>&gt; 5000 mg/kg</td>
</tr>
<tr>
<td>Skin corrosion/irritation</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Serious eye damage/eye irritation</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Causes skin irritation.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Causes serious eye irritation.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Respiratory or skin sensitisation

Canada - British Columbia OELs: Respiratory or skin sensitiser
- Diisocyanate methylenediphenyl (CAS 26447-40-5) Capable of causing respiratory, dermal or conjunctival sensitization.
- Methylene diphenyl diisocyanate (CAS 101-68-8) Capable of causing respiratory, dermal or conjunctival sensitization.

Canada - Quebec OELs: Sensitizer
- Diisocyanate methylenediphenyl (CAS 26447-40-5) Sensitiser.

Respiratory sensitisation
May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Skin sensitisation
May cause an allergic skin reaction.

Germ cell mutagenicity
No data available.

Carcinogenicity
Suspected of causing cancer.

IARC Monographs. Overall Evaluation of Carcinogenicity
- Diisocyanate methylenediphenyl (CAS 26447-40-5) 3 Not classifiable as to carcinogenicity to humans.
- Methylene diphenyl diisocyanate (CAS 101-68-8) 3 Not classifiable as to carcinogenicity to humans.

Reproductive toxicity
This product is not expected to cause reproductive or developmental effects.

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

Specific target organ toxicity - repeated exposure
- May cause damage to organs (Respiratory system, lung) through prolonged or repeated exposure.

Aspiration hazard
No data available.

Chronic effects
Prolonged exposure may cause chronic effects.

Further information
No other specific acute or chronic health impact noted.

12. Ecological information

Ecotoxicity
The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Persistence and degradability
No data is available on the degradability of this product.

Bioaccumulative potential
No data available for this product.

Mobility in soil
No data available.

Mobility in general
Material reacts with water.

Other adverse effects
No data available.

13. Disposal considerations

Disposal instructions
Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.

Local disposal regulations
Dispose of in accordance with local 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

TDG
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

15. Regulatory information

Canadian regulations

This product has been classified in accordance with the hazard criteria of the HPR and the SDS contains all the information required by the HPR.

Controlled Drugs and Substances Act
Not regulated.

Export Control List (CEPA 1999, Schedule 3)
Not listed.

Greenhouse Gases
Not listed.

Precursor Control Regulations
Not regulated.

International regulations

Stockholm Convention
Not applicable.

Rotterdam Convention
Not applicable.

Kyoto protocol
Not applicable.

Montreal Protocol
Not applicable.

Basel Convention
Not applicable.

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>No</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>No</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

Issue date
21-June-2017

Revision date
- 

Version No.
01

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

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