SAFETY DATA SHEET

1. Identification

Product identifier Joint Tite 750 Part A

Recommended use of the chemical and restrictions on use

Recommended use Repair product.

Restrictions on use Not available.

Details of manufacturer or importer

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

Supplier

Company Name LATICRETE Australia
Address P.O. Box 508 Virginia Business Mail Centre
29 Telford Street VIRGINIA QLD 4014

Telephone (61) (7) 3865-1599
Website www.laticrete.com

Emergency phone number 1.703.527.3887

2. Hazard(s) identification

Classification of the hazardous chemical

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

Environmental hazards Not classified.

Label elements, including precautionary statements
Hazard symbol(s)

Health hazard
Exclamation mark

Signal word
Danger

Hazard statement(s)
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 statement(s)

Prevention
Wash thoroughly after handling. Avoid breathing mist or vapor. 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. 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 center/doctor. IF exposed or concerned: Get medical advice/attention. Call a poison center/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. None known.

3. Composition/information on ingredients

Identity of chemical ingredients | CAS number and other unique identifiers | Concentration of ingredients
--- | --- | ---
Polyurethane prepolymer | 68092-58-0 | 30 - 60
Methylene diphenyl disocyanate | 101-68-8 | 20 - 40
Propylene carbonate | 108-32-7 | 10 - 20
Diisocyanate methylenediphenyl | 26447-40-5 | 0.6 - 1.1

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

Description of necessary 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.

Personal protection for first-aid responders
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.

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

Medical attention and special treatment
Provide general supportive measures and treat symptomatically. Symptoms may be delayed.
5. Fire-fighting measures

Extinguishing media
- **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 fire fighters
- 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.

Hazchem code
- None.

General fire hazards
- No unusual fire or explosion hazards noted.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures
- **For non-emergency personnel**: Keep unnecessary personnel away. Wear appropriate protective equipment and clothing during clean-up. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained.
- **For emergency responders**: Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Use personal protection recommended in Section 8 of the SDS.

Environmental precautions
- Environmental manager must be informed of all releases.

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

Other issues relating to spills and releases
- Clean up in accordance with all applicable regulations.

7. Handling and storage

Precautions for safe handling
- Avoid contact with skin, eyes and clothing. Avoid breathing mist or vapor. 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 and personal protection

Control parameters
- Follow standard monitoring procedures.

Occupational exposure limits
- **Australia. National Workplace OELs (Workplace Exposure Standards for Airborne Contaminants, Appendix A)**

<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>STEL</td>
<td>0.07 mg/m3</td>
</tr>
<tr>
<td>Methylene diphenyl diisocyanate (CAS 101-68-8)</td>
<td>TWA</td>
<td>0.02 mg/m3</td>
</tr>
<tr>
<td></td>
<td>STEL</td>
<td>0.07 mg/m3</td>
</tr>
<tr>
<td></td>
<td>TWA</td>
<td>0.02 mg/m3</td>
</tr>
</tbody>
</table>
Australia. OELs. (Adopted National Exposure Standards for Atmospheric Contaminants in the Occupational Environment)

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diisocyanate methylenediphenyl (CAS 26447-40-5)</td>
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<tr>
<td>Methylene diphenyl diisocyanate (CAS 101-68-8)</td>
<td>TWA</td>
<td>0.02 mg/m³</td>
</tr>
<tr>
<td></td>
<td>STEL</td>
<td>0.07 mg/m³</td>
</tr>
<tr>
<td></td>
<td>TWA</td>
<td>0.02 mg/m³</td>
</tr>
</tbody>
</table>

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>

UK. EH40 Workplace Exposure Limits (WELs)

<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>STEL</td>
<td>0.07 mg/m³</td>
</tr>
<tr>
<td>Methylene diphenyl diisocyanate (CAS 101-68-8)</td>
<td>TWA</td>
<td>0.02 mg/m³</td>
</tr>
<tr>
<td></td>
<td>STEL</td>
<td>0.07 mg/m³</td>
</tr>
<tr>
<td></td>
<td>TWA</td>
<td>0.02 mg/m³</td>
</tr>
</tbody>
</table>

Germany. DFG MAK List (advisory OELs). Commission for the Investigation of Health Hazards of Chemical Compounds in the Work Area (DFG)

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

Biological limit values

No biological exposure limits noted for the ingredient(s).

Exposure guidelines

No exposure standards allocated.

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, for example personal protective equipment (PPE)

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.

Hygiene measures  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**
- Thin, clear liquid.

**Physical state**
- Liquid.

**Form**
- Liquid.

**Color**
- Clear.

**Odor**
- Mild.

**Odor threshold**
- Not available.

**pH**
- Not available.

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

**Initial boiling point and boiling range**
- < 400 °F (< 204.44 °C)

**Flash point**
- 201.2 °F (94.0 °C)

**Evaporation rate**
- Slower than ether.

**Flammability (solid, gas)**
- Not available.

**Upper/lower flammability or explosive limits**
- Not available.

**Vapor pressure**
- Not applicable.

**Vapor density**
- (Air=1) Heavier than air.

**Relative density**
- 1.12

**Solubility(ies)**
- Reacts with water.

**Partition coefficient (n-octanol/water)**
- Not available.

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

**Decomposition temperature**
- Not available.

**Viscosity**
- Not available.

**Other physical and chemical parameters**
- **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 polymerization will not occur.

**Conditions to avoid**
- Heat, sparks, flames, elevated temperatures. Contact with incompatible materials.

**Incompatible materials**

**Hazardous decomposition products**

11. Toxicological information

**Information on possible 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 exposure**
- Irritant effects. Rash. Symptoms include redness, itching and pain.

**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 diisocyanate (CAS 101-68-8)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Acute</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Inhalation</td>
<td>Rat</td>
<td>&gt; 2.24 mg/l, 1 Hours</td>
</tr>
<tr>
<td><strong>Propylene carbonate (CAS 108-32-7)</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Acute</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dermal</td>
<td>Rabbit</td>
<td>&gt; 2000 mg/kg</td>
</tr>
<tr>
<td>Inhalation</td>
<td>Rat</td>
<td>&gt; 5 mg/l</td>
</tr>
<tr>
<td>Oral</td>
<td>Rat</td>
<td>&gt; 5000 mg/kg</td>
</tr>
<tr>
<td><strong>Skin corrosion/irritation</strong></td>
<td>Causes skin irritation.</td>
<td></td>
</tr>
<tr>
<td><strong>Serious eye damage/irritation</strong></td>
<td>Causes serious eye irritation.</td>
<td></td>
</tr>
<tr>
<td><strong>Respiratory or skin sensitization</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Respiratory sensitization</td>
<td>May cause allergy or asthma symptoms or breathing difficulties if inhaled.</td>
<td></td>
</tr>
<tr>
<td>Skin sensitization</td>
<td>May cause an allergic skin reaction.</td>
<td></td>
</tr>
<tr>
<td>Germ cell mutagenicity</td>
<td>No data available.</td>
<td></td>
</tr>
<tr>
<td>Carcinogenicity</td>
<td>Suspected of causing cancer.</td>
<td></td>
</tr>
<tr>
<td><strong>IARC Monographs. Overall Evaluation of Carcinogenicity</strong></td>
<td>Disocyanate methylenediisocyanate (CAS 26447-40-5)</td>
<td>3 Not classifiable as to carcinogenicity to humans.</td>
</tr>
<tr>
<td></td>
<td>Methylene diphenyl diisocyanate (CAS 101-68-8)</td>
<td>3 Not classifiable as to carcinogenicity to humans.</td>
</tr>
<tr>
<td><strong>Reproductive toxicity</strong></td>
<td>This product is not expected to cause reproductive or developmental effects.</td>
<td></td>
</tr>
<tr>
<td><strong>Specific target organ toxicity</strong></td>
<td>May cause respiratory tract irritation.</td>
<td></td>
</tr>
<tr>
<td>- single exposure</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Specific target organ toxicity</strong></td>
<td>May cause damage to organs (Respiratory system, Lung) through prolonged or repeated exposure.</td>
<td></td>
</tr>
<tr>
<td>- repeated exposure</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Aspiration hazard</strong></td>
<td>No data available.</td>
<td></td>
</tr>
<tr>
<td><strong>Chronic effects</strong></td>
<td>Prolonged exposure may cause chronic effects.</td>
<td></td>
</tr>
<tr>
<td><strong>Other information</strong></td>
<td>No other specific acute or chronic health impact noted.</td>
<td></td>
</tr>
<tr>
<td><strong>12. Ecological information</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Ecotoxicity</strong></td>
<td>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.</td>
<td></td>
</tr>
<tr>
<td><strong>Persistence and degradability</strong></td>
<td>No data is available on the degradability of this product.</td>
<td></td>
</tr>
<tr>
<td><strong>Bioaccumulative potential</strong></td>
<td>No data available for this product.</td>
<td></td>
</tr>
<tr>
<td><strong>Mobility in soil</strong></td>
<td>Not available.</td>
<td></td>
</tr>
<tr>
<td><strong>Mobility in general</strong></td>
<td>Material reacts with water.</td>
<td></td>
</tr>
<tr>
<td><strong>Other adverse effects</strong></td>
<td>No data available.</td>
<td></td>
</tr>
<tr>
<td><strong>13. Disposal considerations</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Disposal methods</strong></td>
<td>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.</td>
<td></td>
</tr>
<tr>
<td><strong>Residual waste</strong></td>
<td>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).</td>
<td></td>
</tr>
<tr>
<td><strong>Contaminated packaging</strong></td>
<td>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.</td>
<td></td>
</tr>
</tbody>
</table>
14. Transport information

ADG
Not regulated as dangerous goods.

RID
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

Safety, health and environmental regulations

National regulations
This Safety Data Sheet was prepared in accordance with the Australia National Code of Practice for the Preparation of Material Safety Data Sheets (NOHSC: 2011.)

Australia Medicines & Poisons Schedule 6
ISOXYANAT, FREE ORGANIC, BOILING BELOW 300.DEGREE.C (CAS 101-68-8)
ISOXYANAT, FREE ORGANIC, BOILING BELOW 300.DEGREE.C (CAS 26447-40-5)

Australia National Pollutant Inventory (NPI): Threshold quantity
Disocyanate methylenediphenyl (CAS 26447-40-5) 10 TONNES/YR Threshold Category: 1
Methylene diphenyl diisocyanate (CAS 101-68-8) 10 TONNES/YR Threshold Category: 1

High Volume Industrial Chemicals (HVIC)
Disocyanate methylenediphenyl (CAS 26447-40-5) 1000 - 9999 TONNES See the regulation for additional information.
Methylene diphenyl diisocyanate (CAS 101-68-8) 1000 - 9999 TONNES See the regulation for additional information.

Importation of Ozone Deleting Substances (Customs(Prohibited imports) Regulations 1956, Schedule 10)
Not listed.

National Pollutant Inventory (NPI) substance reporting list
Not listed.

Prohibited Carcinogenic Substances
Not regulated.

Prohibited Substances (National Model Regulation for the control of Workplace Hazardous Substances, Schedule 2 NOHSC:1005 (1994) as amended)
Not listed.

Restricted Importation of Organochlorine Chemicals (Customs(Prohibited Imports) Regulations 1956, Schedule 9)
Not listed.

International regulations

Stockholm Convention
Not applicable.

Rotterdam Convention
Not applicable.

Kyoto protocol
Not applicable.

Montreal Protocol
Not applicable.

Basel Convention
Not applicable.

International Inventories

Country(s) or region
Australia
Canada

Inventory name
Australian Inventory of Chemical Substances (AICS)
Domestic Substances List (DSL)

On inventory (yes/no)*
Yes
Yes
<table>
<thead>
<tr>
<th>Country(s) or region</th>
<th>Inventory name</th>
<th>On inventory (yes/no)*</th>
</tr>
</thead>
<tbody>
<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: 06-January-2017
Revision date: -
References
HSDB® - Hazardous Substances Data Bank
Registry of Toxic Effects of Chemical Substances (RTECS)

Disclaimer
The information in this (M)SDS was obtained from sources which we believe are reliable but cannot guarantee. Additionally, your use of this information is beyond our control and may be beyond our knowledge. Therefore, the information is provided without any representation or warranty express or implied.