SAFETY DATA SHEET

1. Identification

Product identifier
LATAPOXY 310 Stone Adhesive Part B

Other means of identification
None.

Recommended use of the chemical and restrictions on use

- **Recommended use**: Adhesive.
- **Restrictions on use**: Not available.

Details of manufacturer or importer

**Manufacturer**

- **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
  Australia
- **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, skin: Category 1
- **Environmental hazards**
  - Hazardous to the aquatic environment, long-term hazard: Category 2

**Label elements, including precautionary statements**

- **Hazard symbol(s)**
  - Exclamation mark
  - Environment mark
- **Signal word**: Warning
Hazard Statement(s)  Causes skin irritation. Causes serious eye irritation. May cause an allergic skin reaction. Toxic to aquatic life with long lasting effects.

Precautionary Statement(s)

Prevention  Avoid breathing dust/fume/gas/mist/vapours/spray. Wash thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves and eye/face protection. Avoid release to the environment.

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. Collect spillage.

Storage  Store away from incompatible materials.

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

Other hazards which do not result in classification  Not classified.

Supplemental information  Not applicable.

3. Composition/information on ingredients

Mixture

<table>
<thead>
<tr>
<th>Identity of chemical ingredients</th>
<th>CAS number and other unique identifiers</th>
<th>Concentration of ingredients</th>
</tr>
</thead>
<tbody>
<tr>
<td>Propane, 2,2-bis[p-(2,3-epoxypropoxy)phenyl]-, polymers</td>
<td>25085-99-8</td>
<td>23-28</td>
</tr>
<tr>
<td>Calcium carbonate, synthetic</td>
<td>471-34-1</td>
<td>19 - 21</td>
</tr>
<tr>
<td>Reaction product: Bisphenol F-(epichlorohydrin); epoxy resin</td>
<td>28064-14-4</td>
<td>5-10</td>
</tr>
<tr>
<td>Alkyl(C12-14) glycidyl ether</td>
<td>68609-97-2</td>
<td>3-7</td>
</tr>
<tr>
<td>Titanium dioxide</td>
<td>13463-67-7</td>
<td>0.8-1.1</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

Description of necessary first aid measures

Inhalation  Move to fresh air. Call a physician if symptoms develop or persist.

Skin contact  Remove contaminated clothing immediately and wash skin with soap and water. In case of eczema or other skin disorders: Seek medical attention and take along these instructions.

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 you feel unwell, seek medical advice (show the label where possible). Wash contaminated clothing before reuse.

Symptoms caused by exposure  Rash. Irritant effects.

Medical attention and special treatment  Provide general supportive measures and treat symptomatically.

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.

Environmental precautions
Avoid release to the environment. Contact local authorities in case of spillage to drain/aquatic environment. Prevent further leakage or spillage if safe to do so. Do not contaminate water. Avoid discharge into drains, water courses or onto the ground. 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.

For non-emergency personnel
Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.

For emergency responders
Avoid release to the environment. Contact local authorities in case of spillage to drain/aquatic environment. Prevent further leakage or spillage if safe to do so. Do not contaminate water. Avoid discharge into drains, water courses or onto the ground. Environmental manager must be informed of all releases.

Other issues relating to spills and releases

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

Clean up in accordance with all applicable regulations.

7. Handling and storage

Precautions for safe handling
Avoid breathing dust. Avoid contact with eyes, skin, and clothing. Persons with epoxy allergy should not work with this product. Wear appropriate personal protective equipment. 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 (See Section 10).

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>
<th>Form</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calcium carbonate, synthetic (CAS 471-34-1)</td>
<td>TWA</td>
<td>10 mg/m³</td>
<td>Inhalable dust.</td>
</tr>
<tr>
<td>Titanium dioxide (CAS 13463-67-7)</td>
<td>TWA</td>
<td>10 mg/m³</td>
<td>Inhalable dust.</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>
<th>Form</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calcium carbonate, synthetic (CAS 471-34-1)</td>
<td>TWA</td>
<td>10 mg/m³</td>
<td>Inspirable dust.</td>
</tr>
<tr>
<td>Titanium dioxide (CAS 13463-67-7)</td>
<td>TWA</td>
<td>10 mg/m³</td>
<td>Inspirable dust.</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>Titanium dioxide (CAS 13463-67-7)</td>
<td>TWA</td>
<td>10 mg/m³</td>
</tr>
</tbody>
</table>

UK. EH40 Workplace Exposure Limits (WELs)

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
<th>Form</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calcium carbonate, synthetic (CAS 471-34-1)</td>
<td>TWA</td>
<td>4 mg/m³</td>
<td>Respirable.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>4 mg/m³</td>
<td>Respirable dust.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>10 mg/m³</td>
<td>Inspirable</td>
</tr>
<tr>
<td></td>
<td></td>
<td>10 mg/m³</td>
<td>Inspirable dust.</td>
</tr>
</tbody>
</table>
UK. EH40 Workplace Exposure Limits (WELs)

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<th>Components</th>
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<tbody>
<tr>
<td>Titanium dioxide (CAS 13463-67-7)</td>
<td>TWA</td>
<td>4 mg/m³</td>
<td>Respirable.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>10 mg/m³</td>
<td>Inhalable</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**: 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**

- **Physical state**: Solid.
- **Form**: Paste.
- **Colour**: Off-white.
- **Odour**: Not available.
- **Odour threshold**: Not available.
- **pH**: Not available.
- **Melting point/freezing point**: Not applicable.
- **Initial boiling point and boiling range**: Not applicable.
- **Flash point**: Non flammable.
- **Evaporation rate**: Not applicable.
- **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**: Not applicable.

**Relative density**: 1.5

**Solubility(ies)**

- **Solubility (water)**: Insoluble

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

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

**Decomposition temperature**: Not available.

**Viscosity**: Not available.
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
Masses of more than 1 pound of product plus an aliphatic amine will cause irreversible polymerization with considerable heat build up.

Conditions to avoid
Excessive heat. Contact with incompatible materials.

Incompatible materials
Strong oxidising agents.

Hazardous decomposition products
At thermal decomposition temperatures, carbon monoxide and carbon dioxide. Aldehydes.

11. Toxicological information

Information on possible routes of exposure

Inhalation
No adverse effects due to inhalation are expected.

Skin contact
Irritating to skin. May cause an allergic skin reaction.

Eye contact
Irritating to eyes.

Ingestion
May cause discomfort if swallowed.

Symptoms related to exposure
Rash. Irritant effects.

Acute toxicity
May cause discomfort if swallowed.

Components

<table>
<thead>
<tr>
<th>Species</th>
<th>Test results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calcium carbonate, synthetic</td>
<td></td>
</tr>
<tr>
<td>LD50</td>
<td>6450 mg/kg</td>
</tr>
</tbody>
</table>

Calcium carbonate, synthetic (CAS 471-34-1)

Acute

<table>
<thead>
<tr>
<th>Oral LD50</th>
<th>Rat</th>
</tr>
</thead>
<tbody>
<tr>
<td>LD50</td>
<td>6450 mg/kg</td>
</tr>
</tbody>
</table>

Skin corrosion/irritation
Causes skin irritation.

Serious eye damage/irritation
Causes serious eye irritation.

Respiratory or skin sensitisation

Respiratory sensitisation
No data available.

Skin sensitisation
May cause an allergic skin reaction.

Germ cell mutagenicity
Not expected to be mutagenic.

Carcinogenicity
Not classified. Inhalation of titanium dioxide dust may cause cancer, however due to the physical form of the product,

ACGIH Carcinogens
Titanium dioxide (CAS 13463-67-7) A4 Not classifiable as a human carcinogen.

IARC Monographs. Overall Evaluation of Carcinogenicity
Titanium dioxide (CAS 13463-67-7) 2B Possibly carcinogenic to humans.

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

Specific target organ toxicity - single exposure
No data available.

Specific target organ toxicity - repeated exposure
No data available.

Aspiration hazard
No data available.

Chronic effects
Prolonged or repeated contact may cause drying, cracking, or irritation.

Other information
Prolonged or repeated contact may cause drying, cracking, or irritation.

12. Ecological information

Ecotoxicity
Toxic to aquatic life with long lasting effects.

Components

<table>
<thead>
<tr>
<th>Species</th>
<th>Test results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Propane, 2,2-bis[p-(2,3-epoxypropoxy)phenyl]-, polymers</td>
<td></td>
</tr>
<tr>
<td>Acute</td>
<td></td>
</tr>
<tr>
<td>Algae IC50</td>
<td>Algae 11 mg/l, 72 hours</td>
</tr>
</tbody>
</table>

LATAPOXY 310 Stone Adhesive Part B
SDS Australia
917004 Version #: 01 Revision date: - Issue date: 18-May-2016
Components Test results

<table>
<thead>
<tr>
<th>Species</th>
<th>Test results</th>
</tr>
</thead>
<tbody>
<tr>
<td>EC50 Crustacea</td>
<td>1.8 mg/l, 48 hours</td>
</tr>
<tr>
<td>LC50 Fish</td>
<td>1 - 10 mg/l</td>
</tr>
</tbody>
</table>

Reaction product: Bisphenol F-(epichlorohydrin); epoxy resin (CAS 28064-14-4)

Aquatic Acute

<table>
<thead>
<tr>
<th>Species</th>
<th>Test results</th>
</tr>
</thead>
<tbody>
<tr>
<td>AC50 Fish</td>
<td>1 - 10 mg/l</td>
</tr>
</tbody>
</table>

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

Bioaccumulative potential No data available for this product.

Mobility in soil Not available.

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 methods Collect and reclaim or dispose in sealed containers at licensed waste disposal site. This material and its container must be disposed of as hazardous waste. 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.

Residual waste 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

ADG

UN number 3077
UN proper shipping name Environmentally hazardous substance, solid, n.o.s. (Propane, 2,2-bis[p-(2,3-epoxypropoxy)phenyl]-, polymers, Reaction product: Bisphenol F-(epichlorohydrin); epoxy resin)

Transport hazard class(es)

- Class 9
- Subsidiary risk -
- Packing group III
- Environmental hazards Yes
- Hazchem Code 2Z

Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

RID

UN number 3077
UN proper shipping name Environmentally hazardous substance, solid, n.o.s. (Propane, 2,2-bis[p-(2,3-epoxypropoxy)phenyl]-, polymers, Reaction product: Bisphenol F-(epichlorohydrin); epoxy resin)

Transport hazard class(es)

- Class 9
- Subsidiary risk -
- Label(s) 9
- Packing group III
- Environmental hazards Yes

Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

IATA

UN number 3077
UN proper shipping name Environmentally hazardous substance, solid, n.o.s. (Propane, 2,2-bis[p-(2,3-epoxypropoxy)phenyl]-, polymers, Reaction product: Bisphenol F-(epichlorohydrin); epoxy resin)

Transport hazard class(es)

- Class 9
- Subsidiary risk -
**Label(s)**
9

**Packing group**
III

**Environmental hazards**
Yes

**ERG Code**
9L

**Special precautions for user**
Read safety instructions, SDS and emergency procedures before handling.

**IMDG**

**UN number**
3077

**UN proper shipping name**
Environmentally hazardous substance, solid, n.o.s. (Propane, 2,2-bis[p-(2,3-epoxypropoxy)phenyl]-, polymers, Reaction product: Bisphenol F-(epichlorohydrin); epoxy resin)

**Transport hazard class(es)**

**Class**
9

**Subsidiary risk**
-

**Label(s)**
9

**Packing group**
III

**Environmental hazards**

**Marine pollutant**
Yes

**EmS**
F-A, S-F

**Special precautions for user**
Read safety instructions, SDS and emergency procedures before handling.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**
This substance/mixture is not intended to be transported in bulk.

**General information**
IATA classification is not relevant as the material is not transported by air.

### 15. Regulatory information

#### Safety, health and environmental regulations

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

**High Volume Industrial Chemicals (HVIC)**
- Calcium carbonate, synthetic (CAS 471-34-1) 1000 - 9999 TONNES See the regulation for additional information.
- Titanium dioxide (CAS 13463-67-7) 100000 - 999999 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.

Not listed.

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

**Restricted Carcinogenic Substances**
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>No</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>Yes</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>No</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>No</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**: 18-May-2016
- **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.