SAFETY DATA SHEET

1. Identification

Product identifier  LATAPOXY 300 Stone Adhesive Part A
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 1B
      Serious eye damage/eye irritation  Category 1
      Sensitization, skin  Category 1
      Specific target organ toxicity following single exposure
      Hazardous to the aquatic environment, acute hazard  Category 3
      Hazardous to the aquatic environment, long-term hazard  Category 3

Label elements, including precautionary statements
Hazard symbol(s)

Signal word
Danger

Hazard Statement(s)
Causes severe skin burns and eye damage. May cause an allergic skin reaction. May cause respiratory irritation. Harmful to aquatic life with long lasting effects.

Precautionary Statement(s)

Prevention
Use only outdoors or in a well-ventilated area. Do not breathe mist or vapour. Wash thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. Contaminated work clothing should not be allowed out of the workplace. Avoid release to the environment.

Response
IF SWALLOWED: rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER/doctor. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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 which do not result in classification
None known.

Supplemental information
None.

3. Composition/information on ingredients

Mixture
Identity of chemical ingredients | CAS number and other unique identifiers | Concentration of ingredients
--- | --- | ---
Fatty acids, tall-oil, reaction products with tetraethylenepentamine | 68953-36-6 | 70 - 75
Tetraethylene pentamine | 112-57-2 | 8 - 10
2-Piperazin-1-ylethylamine | 140-31-8 | 3 - 5
2,4,6-Tris-(dimethylaminomethyl)- phenol | 90-72-2 | 1 - 3

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

Skin contact
Take off immediately all contaminated clothing. Chemical burns must be treated by a physician. Wash contaminated clothing before reuse. Get medical attention immediately.

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 immediately.

Ingestion
Rinse mouth. Do not induce vomiting. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Get medical attention if any discomfort continues.

Personal protection for first-aid responders
Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

Symptoms caused by exposure
Rash. Corrosive effects. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result.

Medical attention and special treatment
Provide general supportive measures and treat symptomatically. Symptoms may be delayed. Chemical burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital.
5. Fire-fighting measures

Extinguishing media
- Alcohol resistant foam.
- Water fog.
- 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
- Heating may cause the release of ammonia vapors.

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. Use water spray to cool unopened containers.

Hazchem Code
- 2X

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. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained.

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. Do not discharge into drains, water courses or onto the ground.
- Environmental manager must be informed of all major releases.

Environmental precautions
- 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.

Methods and materials for containment and cleaning up
- Clean up in accordance with all applicable regulations.

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

7. Handling and storage

Precautions for safe handling
- Do not breathe mist or vapour. Do not get in eyes, on skin, on clothing. Persons susceptible for allergic reactions should not handle this product. 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 and personal protection

Control parameters
- Follow standard monitoring procedures.

Occupational exposure limits
- No exposure limits noted for ingredient(s).

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. Provide eyewash station.

Individual protection measures, for example personal protective equipment (PPE)
- Eye/face protection: Wear safety glasses with side shields (or goggles). Face-shield. Wear a full-face respirator, if needed.
- Skin protection:
  - Hand protection: Wear appropriate chemical resistant gloves.
  - Other: Wear appropriate chemical resistant clothing.
### 9. Physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Appearance</strong></td>
<td>Viscous liquid.</td>
</tr>
<tr>
<td><strong>Physical state</strong></td>
<td>Liquid.</td>
</tr>
<tr>
<td><strong>Form</strong></td>
<td>Liquid.</td>
</tr>
<tr>
<td><strong>Colour</strong></td>
<td>Amber.</td>
</tr>
<tr>
<td><strong>Odour</strong></td>
<td>Ammonia.</td>
</tr>
<tr>
<td><strong>Odour threshold</strong></td>
<td>Not available.</td>
</tr>
<tr>
<td><strong>pH</strong></td>
<td>Not applicable.</td>
</tr>
<tr>
<td><strong>Melting point/freezing point</strong></td>
<td>Not applicable.</td>
</tr>
<tr>
<td><strong>Initial boiling point and boiling range</strong></td>
<td>Not available.</td>
</tr>
<tr>
<td><strong>Flash point</strong></td>
<td>Non flammable.</td>
</tr>
<tr>
<td><strong>Evaporation rate</strong></td>
<td>Not applicable.</td>
</tr>
<tr>
<td><strong>Flammability (solid, gas)</strong></td>
<td>Not available.</td>
</tr>
<tr>
<td><strong>Upper/lower flammability or explosive limits</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Flammability limit - lower (%)</strong></td>
<td>Not available.</td>
</tr>
<tr>
<td><strong>Flammability limit - upper (%)</strong></td>
<td>Not available.</td>
</tr>
<tr>
<td><strong>Vapour pressure</strong></td>
<td>Not applicable.</td>
</tr>
<tr>
<td><strong>Vapour density</strong></td>
<td>Not applicable.</td>
</tr>
<tr>
<td><strong>Relative density</strong></td>
<td>0.99</td>
</tr>
<tr>
<td><strong>Solubility(ies)</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Solubility (water)</strong></td>
<td>Insoluble</td>
</tr>
<tr>
<td><strong>Partition coefficient (n-octanol/water)</strong></td>
<td>Not available.</td>
</tr>
<tr>
<td><strong>Auto-ignition temperature</strong></td>
<td>Not available.</td>
</tr>
<tr>
<td><strong>Decomposition temperature</strong></td>
<td>Not available.</td>
</tr>
<tr>
<td><strong>Viscosity</strong></td>
<td>Not available.</td>
</tr>
</tbody>
</table>

### 10. Stability and reactivity

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Reactivity</strong></td>
<td>The product is stable and non-reactive under normal conditions of use, storage and transport.</td>
</tr>
<tr>
<td><strong>Chemical stability</strong></td>
<td>Material is stable under normal conditions.</td>
</tr>
<tr>
<td><strong>Possibility of hazardous reactions</strong></td>
<td>No dangerous reaction known under conditions of normal use.</td>
</tr>
<tr>
<td><strong>Conditions to avoid</strong></td>
<td>Heat, flames and sparks. Contact with incompatible materials.</td>
</tr>
<tr>
<td><strong>Incompatible materials</strong></td>
<td>Alkali metals. Oxidizing agents. Strong acids.</td>
</tr>
<tr>
<td><strong>Hazardous decomposition products</strong></td>
<td>Carbon dioxide (CO2). Carbon monoxide. Nitrogen oxides.</td>
</tr>
</tbody>
</table>

### 11. Toxicological information

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Inhalation</strong></td>
<td>May cause respiratory irritation.</td>
</tr>
<tr>
<td><strong>Skin contact</strong></td>
<td>Causes skin burns. May cause an allergic skin reaction.</td>
</tr>
<tr>
<td><strong>Eye contact</strong></td>
<td>Causes serious eye damage.</td>
</tr>
<tr>
<td><strong>Ingestion</strong></td>
<td>May cause burns of the gastrointestinal tract if swallowed.</td>
</tr>
</tbody>
</table>
Symptoms related to exposure  Rash. Corrosive effects. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result.

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>2-Piperazin-1-ylethylamine (CAS 140-31-8)</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>880 mg/kg</td>
</tr>
<tr>
<td>LD50</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Acute</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fatty acids, tall-oil, reaction products with tetraethylenepentamine (CAS 68953-36-6)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Acute</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Oral</td>
<td>Rat</td>
<td>&gt; 2000 mg/kg</td>
</tr>
<tr>
<td>LD50</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tetraethylene pentamine (CAS 112-57-2)</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>0.66 g/kg</td>
</tr>
<tr>
<td>LD50</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Oral</td>
<td>Rat</td>
<td>2.1 g/kg</td>
</tr>
<tr>
<td>LD50</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Skin corrosion/irritation  Causes severe skin burns and eye damage.

Serious eye damage/irritation  Causes serious eye damage.

Respiratory or skin sensitisation  No data available.

Skin sensitisation  May cause an allergic skin reaction.

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

Carcinogenicity  This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

Reproductive toxicity  Not classified.

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

Specific target organ toxicity - repeated exposure  No data available.

Aspiration hazard  Not classified.

Chronic effects  No data available.

12. Ecological information

Ecotoxicity  Harmful to aquatic life with long lasting effects.

<table>
<thead>
<tr>
<th>Components</th>
<th>Species</th>
<th>Test results</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-Piperazin-1-ylethylamine (CAS 140-31-8)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Aquatic</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fish</td>
<td>LC50</td>
<td>1950 - 2460 mg/l, 96 hours</td>
</tr>
<tr>
<td>Persistance and degradability</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bioaccumulative potential</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Partition coefficient n-octanol / water (log Kow)</td>
<td></td>
<td>1.503</td>
</tr>
<tr>
<td>Tetraethylene pentamine (CAS 112-57-2)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mobility in soil</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Other adverse effects</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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 2735
UN proper shipping name AMINES, LIQUID, CORROSIVE, N.O.S. (Tetraethylene pentamine, 2-Piperazin-1-ylethylamine)
Transport hazard class(es)
   Class 8
   Subsidiary risk -
   Packing group III
   Environmental hazards Yes
   Hazchem Code 2X
   Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

RID

UN number 2735
UN proper shipping name AMINES, LIQUID, CORROSIVE, N.O.S. (Tetraethylene pentamine, 2-Piperazin-1-ylethylamine)
Transport hazard class(es)
   Class 8
   Subsidiary risk -
   Label(s) 8
   Packing group III
   Environmental hazards Yes
   Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

IATA

UN number 2735
UN proper shipping name Amines, liquid, corrosive, n.o.s. (Tetraethylene pentamine, 2-Piperazin-1-ylethylamine)
Transport hazard class(es)
   Class 8
   Subsidiary risk -
   Packing group III
   Environmental hazards Yes
   ERG Code 8L
   Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

IMDG

UN number 2735
UN proper shipping name AMINES, LIQUID, CORROSIVE, N.O.S. (Tetraethylene pentamine, 2-Piperazin-1-ylethylamine)
Transport hazard class(es)
   Class 8
   Subsidiary risk -
   Label(s) 8
   Packing group III
   Environmental hazards Yes
   Marine pollutant Yes
   EmS F-A, S-B
   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)
Not listed.

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.

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>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>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>Yes</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

Issue date: 13-April-2016

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