SAFETY DATA SHEET

1. Identification

Product identifier LATAPOXY® 310 Stone Adhesive Part A Pail
Other means of identification None.
Recommended use Adhesive.
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 1B
Serious eye damage/eye irritation Category 1
Sensitization, skin Category 1
Reproductive toxicity Category 2

Environmental hazards Hazardous to the aquatic environment, acute hazard Category 2
Hazardous to the aquatic environment, long-term hazard Category 2

OSHA defined hazards Not classified.

Label elements

Signal word Danger

Hazard statement Causes severe skin burns and eye damage. Causes serious eye damage. May cause an allergic skin reaction. Suspected of damaging fertility or the unborn child. Toxic to aquatic life with long lasting effects.

Precautionary statement

Prevention Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe mist or vapor. 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 exposed or concerned: Get medical advice/attention. 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 person to fresh air and keep comfortable for breathing. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center/doctor. Collect spillage.
Store locked up.

Dispose

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

Hazard(s) not otherwise classified (HNOC)

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>Fatty acids, tall-oil, reaction products with tetraethylenepentamine</td>
<td>68953-36-6</td>
<td>7 - 10</td>
</tr>
<tr>
<td>4-Nonylphenol, branched</td>
<td>84852-15-3</td>
<td>1 - 3</td>
</tr>
<tr>
<td>Benzyl alcohol</td>
<td>100-51-6</td>
<td>1 - 3</td>
</tr>
<tr>
<td>m-Phenylenebis(methylamine)</td>
<td>1477-55-0</td>
<td>1 - 3</td>
</tr>
<tr>
<td>2-Piperazin-1-ylethylamine</td>
<td>140-31-8</td>
<td>1.5 - 2.5</td>
</tr>
<tr>
<td>Isophorone diamine</td>
<td>2855-13-2</td>
<td>0.4 - 2</td>
</tr>
<tr>
<td>Tetraethylene pentamine</td>
<td>112-57-2</td>
<td>0.5 - 1.5</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

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

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

Most important symptoms/effects, acute and delayed

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.

Indication of immediate medical attention and special treatment needed

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

5. Fire-fighting measures

Suitable 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 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. Use water spray to cool unopened containers.

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. 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. 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**

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.

7. Handling and storage

**Precautions for safe handling**

Do not handle until all safety precautions have been read and understood. Do not breathe mist or vapor. Do not get in eyes, on skin, on clothing. Persons susceptible to 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 of the SDS).

8. Exposure controls/personal protection

**Occupational exposure limits**

<table>
<thead>
<tr>
<th>US. ACGIH Threshold Limit Values Components</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>m-Phenylenebis(methylamine) (CAS 1477-55-0)</td>
<td>Ceiling</td>
<td>0.1 mg/m^3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>US. NIOSH: Pocket Guide to Chemical Hazards Components</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>m-Phenylenebis(methylamine) (CAS 1477-55-0)</td>
<td>Ceiling</td>
<td>0.1 mg/m^3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>US. Workplace Environmental Exposure Level (WEEL) Guides Components</th>
<th>Type</th>
<th>Value</th>
<th>Form</th>
</tr>
</thead>
<tbody>
<tr>
<td>Benzyl alcohol (CAS 100-51-6)</td>
<td>TWA</td>
<td>44.2 mg/m^3</td>
<td></td>
</tr>
<tr>
<td>Tetraethylene pentamine (CAS 112-57-2)</td>
<td>TWA</td>
<td>5 mg/m^3</td>
<td>Aerosol</td>
</tr>
<tr>
<td></td>
<td>1 ppm</td>
<td>1 ppm</td>
<td>Aerosol</td>
</tr>
</tbody>
</table>

**Biological limit values**

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

**Exposure guidelines**

**US - California OELs: Skin designation**

m-Phenylenebis(methylamine) (CAS 1477-55-0) Can be absorbed through the skin.

**US - Tennessee OELs: Skin designation**

m-Phenylenebis(methylamine) (CAS 1477-55-0) Can be absorbed through the skin.

**US ACGIH Threshold Limit Values: Skin designation**

m-Phenylenebis(methylamine) (CAS 1477-55-0) Can be absorbed through the skin.

**US WEEL Guides: Skin designation**

Tetraethylene pentamine (CAS 112-57-2) Can be absorbed through the skin.

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

m-Phenylenebis(methylamine) (CAS 1477-55-0) 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). Face-shield. Wear a full-face respirator, if needed.

**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**
- 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.
- **Color**
  - Light red.
- **Odor**
  - Ammonia.
- **Odor threshold**
  - Not available.
- **pH**
  - Not applicable.
- **Melting point/freezing point**
  - Not applicable.
- **Initial boiling point and boiling range**
  - Not available.
- **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.

**Vapor pressure**
- Not applicable.

**Vapor density**
- Not applicable.

**Relative density**
- 1.5 g/cm³

**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**
- Corrosive to certain metals. Copper Aluminum. Zinc.

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

**Possibility of hazardous reactions**
- No dangerous reaction known under conditions of normal use.

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

**Incompatible materials**

**Hazardous decomposition products**
11. Toxicological information

Information on likely routes of exposure

Inhalation  May cause respiratory irritation.
Skin contact  Causes skin burns. May cause an allergic skin reaction.
Eye contact  Causes serious eye damage.
Ingestion  May cause burns of the gastrointestinal tract if swallowed.

Symptoms related to the physical, chemical and toxicological characteristics
Rash. Corrosive effects. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result.

Information on toxicological effects

Acute toxicity  May cause discomfort if swallowed.

<table>
<thead>
<tr>
<th>Components</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-Piperazin-1ylethylamine (CAS 140-31-8)</td>
<td></td>
</tr>
<tr>
<td>Acute</td>
<td></td>
</tr>
<tr>
<td>Dermal</td>
<td></td>
</tr>
<tr>
<td>LD50 Rabbit</td>
<td>880 mg/kg</td>
</tr>
<tr>
<td>4-Nonylphenol, branched (CAS 84852-15-3)</td>
<td></td>
</tr>
<tr>
<td>Acute</td>
<td></td>
</tr>
<tr>
<td>Dermal</td>
<td></td>
</tr>
<tr>
<td>LD50 Rabbit</td>
<td>3160 mg/kg</td>
</tr>
<tr>
<td>Oral</td>
<td></td>
</tr>
<tr>
<td>LD50 Rat</td>
<td>1300 mg/kg</td>
</tr>
<tr>
<td>Benzyl alcohol (CAS 100-51-6)</td>
<td></td>
</tr>
<tr>
<td>Acute</td>
<td></td>
</tr>
<tr>
<td>Dermal</td>
<td></td>
</tr>
<tr>
<td>LD50 Rabbit</td>
<td>2000 mg/kg</td>
</tr>
<tr>
<td>Inhalation</td>
<td></td>
</tr>
<tr>
<td>LC50 Rat</td>
<td>&gt; 4178 mg/m³, 4 hours</td>
</tr>
<tr>
<td>Oral</td>
<td></td>
</tr>
<tr>
<td>LD50 Rat</td>
<td>1230 - 3100 mg/kg</td>
</tr>
<tr>
<td>Fatty acids, tall-oil, reaction products with tetraethylenepentamine (CAS 68953-36-6)</td>
<td></td>
</tr>
<tr>
<td>Acute</td>
<td></td>
</tr>
<tr>
<td>Oral</td>
<td></td>
</tr>
<tr>
<td>LD50 Rat</td>
<td>&gt; 2000 mg/kg</td>
</tr>
<tr>
<td>Isophorone diamine (CAS 2855-13-2)</td>
<td></td>
</tr>
<tr>
<td>Acute</td>
<td></td>
</tr>
<tr>
<td>Oral</td>
<td></td>
</tr>
<tr>
<td>LD50 Rat</td>
<td>1030 mg/kg</td>
</tr>
<tr>
<td>m-Phenylenebis(methylamine) (CAS 1477-55-0)</td>
<td></td>
</tr>
<tr>
<td>Acute</td>
<td></td>
</tr>
<tr>
<td>Dermal</td>
<td></td>
</tr>
<tr>
<td>LD50 Rabbit</td>
<td>2000 mg/kg</td>
</tr>
<tr>
<td>Inhalation</td>
<td></td>
</tr>
<tr>
<td>Aerosol</td>
<td></td>
</tr>
<tr>
<td>LC50 Rat</td>
<td>3.75 mg/l, 1 Hours</td>
</tr>
<tr>
<td>Oral</td>
<td></td>
</tr>
<tr>
<td>LD50 Rat</td>
<td>930 mg/kg</td>
</tr>
<tr>
<td>Tetraethylenepentamine (CAS 112-57-2)</td>
<td></td>
</tr>
<tr>
<td>Acute</td>
<td></td>
</tr>
<tr>
<td>Dermal</td>
<td></td>
</tr>
<tr>
<td>LD50 Rabbit</td>
<td>0.66 g/kg</td>
</tr>
</tbody>
</table>
Components | Species | Test Results
--- | --- | ---
Oral LD50 | Rat | 2.1 g/kg

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

Respiratory or skin sensitization
- Respiratory sensitization | No data available.
- Skin sensitization | 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.

- IARC Monographs. Overall Evaluation of Carcinogenicity | Not listed.
- NTP Report on Carcinogens | Not listed.

Reproductive toxicity | Suspected of damaging fertility or the unborn child.
Specific target organ toxicity - single exposure | No data available.
Specific target organ toxicity - repeated exposure | No data available.
Aspiration hazard | Not classified.
Chronic effects | No data available.

12. Ecological information

Ecotoxicity | Toxic 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>Aquatic</td>
<td></td>
</tr>
<tr>
<td>Fish</td>
<td>LC50</td>
<td>Fathead minnow (Pimephales promelas) 1950 - 2460 mg/l, 96 hours</td>
</tr>
<tr>
<td>4-Nonylphenol, branched (CAS 84852-15-3)</td>
<td>Aquatic</td>
<td></td>
</tr>
<tr>
<td>Acute</td>
<td>Crustacea</td>
<td>EC50</td>
</tr>
<tr>
<td>Fish</td>
<td>LC50</td>
<td>Fish 0.017 mg/l, 96 hours</td>
</tr>
<tr>
<td>Benzyl alcohol (CAS 100-51-6)</td>
<td>Aquatic</td>
<td></td>
</tr>
<tr>
<td>Fish</td>
<td>LC50</td>
<td>Fathead minnow (Pimephales promelas) 460 mg/l, 96 hours</td>
</tr>
<tr>
<td>Isophorone diamine (CAS 2855-13-2)</td>
<td>Aquatic</td>
<td></td>
</tr>
<tr>
<td>Crustacea</td>
<td>EC50</td>
<td>Water flea (Daphnia magna) 14.6 - 21.5 mg/l, 48 hours</td>
</tr>
</tbody>
</table>

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

Bioaccumulative potential | Not available.

Partition coefficient n-octanol / water (log Kow)
- Benzyl alcohol (CAS 100-51-6) | 1.1 |
- Tetraethylene pentamine (CAS 112-57-2) | 1.503 |

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 instructions
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.

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

<table>
<thead>
<tr>
<th>UN number</th>
<th>UN3263</th>
</tr>
</thead>
<tbody>
<tr>
<td>UN proper shipping name</td>
<td>Corrosive solid, basic, organic, n.o.s. (4-Nonylphenol, branched, Tetraethylene pentamine)</td>
</tr>
<tr>
<td>Transport hazard class(es)</td>
<td>Class 8, Subsidiary risk -, Label(s) 8</td>
</tr>
<tr>
<td>Environmental hazards</td>
<td>Marine pollutant Yes</td>
</tr>
<tr>
<td>Special precautions for user</td>
<td>Read safety instructions, SDS and emergency procedures before handling.</td>
</tr>
<tr>
<td>Special provisions</td>
<td>IB8, IP3, T1, TP33</td>
</tr>
<tr>
<td>Packaging exceptions</td>
<td>154</td>
</tr>
<tr>
<td>Packaging non bulk</td>
<td>213</td>
</tr>
<tr>
<td>Packaging bulk</td>
<td>240</td>
</tr>
</tbody>
</table>

IATA

<table>
<thead>
<tr>
<th>UN number</th>
<th>UN3263</th>
</tr>
</thead>
<tbody>
<tr>
<td>UN proper shipping name</td>
<td>Corrosive solid, basic, organic, n.o.s. (4-Nonylphenol, branched, Tetraethylene pentamine)</td>
</tr>
<tr>
<td>Transport hazard class(es)</td>
<td>Class 8, Subsidiary risk -, Label(s) 8</td>
</tr>
<tr>
<td>Environmental hazards</td>
<td>Marine pollutant Yes</td>
</tr>
<tr>
<td>ERG Code</td>
<td>8L</td>
</tr>
<tr>
<td>Special precautions for user</td>
<td>Read safety instructions, SDS and emergency procedures before handling.</td>
</tr>
</tbody>
</table>

IMDG

<table>
<thead>
<tr>
<th>UN number</th>
<th>UN3263</th>
</tr>
</thead>
<tbody>
<tr>
<td>UN proper shipping name</td>
<td>CORROSIVE SOLID, BASIC, ORGANIC, N.O.S. (4-Nonylphenol, branched, Tetraethylene pentamine)</td>
</tr>
<tr>
<td>Transport hazard class(es)</td>
<td>Class 8, Subsidiary risk -, Label(s) 8</td>
</tr>
<tr>
<td>Environmental hazards</td>
<td>Marine pollutant Yes</td>
</tr>
<tr>
<td>EmS</td>
<td>F-A, S-B</td>
</tr>
<tr>
<td>Special precautions for user</td>
<td>Read safety instructions, SDS and emergency procedures before handling.</td>
</tr>
<tr>
<td>Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</td>
<td>This substance/mixture is not intended to be transported in bulk.</td>
</tr>
<tr>
<td>General information</td>
<td>IATA classification is not relevant as the material is not transported by air.</td>
</tr>
</tbody>
</table>
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)
4-Nonylphenol, branched (CAS 84852-15-3) 1.0 % One-Time Export Notification only.

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 - Yes
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)

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CAS number</th>
<th>% by wt.</th>
</tr>
</thead>
<tbody>
<tr>
<td>4-Nonylphenol, branched</td>
<td>84852-15-3</td>
<td>1 - 3</td>
</tr>
</tbody>
</table>

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
California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

US. Massachusetts RTK - Substance List
2-Piperazin-1-ylethylamine (CAS 140-31-8)
4-Nonylphenol, branched (CAS 84852-15-3)
Benzyl alcohol (CAS 100-51-6)
m-Phenylenebis(methylamine) (CAS 1477-55-0)
Tetraethylene pentamine (CAS 112-57-2)

US. New Jersey Worker and Community Right-to-Know Act
2-Piperazin-1-ylethylamine (CAS 140-31-8)
Isophorone diamine (CAS 2855-13-2)
m-Phenylenebis(methylamine) (CAS 1477-55-0)
Tetraethylene pentamine (CAS 112-57-2)

US. Pennsylvania Worker and Community Right-to-Know Law
2-Piperazin-1-ylethylamine (CAS 140-31-8)
4-Nonylphenol, branched (CAS 84852-15-3)
Benzyl alcohol (CAS 100-51-6)
m-Phenylenebis(methylamine) (CAS 1477-55-0)
Tetraethylene pentamine (CAS 112-57-2)

US. Rhode Island RTK
m-Phenylenebis(methylamine) (CAS 1477-55-0)

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>Country(s) or region</td>
<td>Inventory name</td>
<td>On inventory (yes/no)*</td>
</tr>
<tr>
<td>------------------------------</td>
<td>--------------------------------------------------------------------------------</td>
<td>------------------------</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>Taiwan</td>
<td>Taiwan Chemical Substance Inventory (TCSI)</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

<table>
<thead>
<tr>
<th>Issue date</th>
<th>22-March-2017</th>
</tr>
</thead>
<tbody>
<tr>
<td>Revision date</td>
<td>25-July-2017</td>
</tr>
<tr>
<td>Version #</td>
<td>02</td>
</tr>
</tbody>
</table>

NFPA ratings

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.