Material Safety Data Sheet

SPI #05111-AB, 05111-BA Crystalbond™ 555 Mounting Adhesive

Section 1: Identification

Date Effective..........October 24, 2006
(most recent revision)

Chemical Name/Synonyms..Crystalbond 555

Emergencies
Contacting CHEMTREC:

24 Hour Emergency Use Only #'s...
Worldwide phone: 1-(703)-527-3887
Worldwide FAX: 1-(703)-741-6090
Toll-free phone: 1-(800)-424-9300 USA only

Product or Trade Name.. SPI #05111-AB, 05111-BA Crystalbond 555

Hazardous Material Information System
USA

<table>
<thead>
<tr>
<th>Health</th>
<th>Fire Hazard</th>
<th>Reactivity</th>
<th>Personal Protection</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>0</td>
<td>0</td>
<td></td>
</tr>
</tbody>
</table>

National Fire Protection Association USA

NFPA Rating:
(estimated) Health: 0 ; Flammability: 0 ; Reactivity: 0
Section 2: Composition

<table>
<thead>
<tr>
<th>Component Name</th>
<th>CAS #</th>
<th>EINECS/ELINCS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethylene Oxide</td>
<td>75-21-8</td>
<td>200-849-9</td>
</tr>
<tr>
<td>Ethoxylated Nonyl Phenol</td>
<td>9016-45-9</td>
<td>n/a</td>
</tr>
</tbody>
</table>

Section 3: Hazard Identification

**Appearance:** Off-white solid  
**Flash Point:** >200°F

**Potential Health Effects**

**Eye:** Not applicable.  
**Skin:** In molten state this material may cause a severe thermal burn.  
**Ingestion:** Not applicable.  
**Inhalation:** There are no known data available which addresses medical conditions that are generally recognized as being aggravated by exposure to this product.

Section 4: First Aid Measures

**Eyes:**  
Flush with copious amounts of water for 15 minutes. If irritation occurs, seek medical attention.

**Skin:**  
Treat for thermal burn. Seek medical attention.

**Ingestion:**  
Not applicable.

**Inhalation:**  
Not applicable.
Section 5: Fire Fighting Measures

**General Information:**
There are no unusual fire and explosion hazards and no special fire fighting procedures required.

**Extinguishing Media:**
Foam, Carbon dioxide, Dry powder.

**Flash Point:** >210°F (Closed cup)

**Explosion Limits:**
- Upper: n/a
- Lower: n/a

**Autoignition Temperature:** n/a

Section 6: Accidental Release Measures

**Spills/Leaks:**
If material is unusable, sweep up and dispose of in a metal container. Provide adequate ventilation. Dispose of in accordance with all federal, state and local regulations.

Section 7: Handling and Storage

**Handling:**
Use adequate ventilation. Avoid excessive heat, sparks and open flames.

**Storage:**
Store in cool dry place. Keep containers tightly closed.

Section 8: Exposure Controls and Personal Protection
Exposure Limits:

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS#</th>
<th>ACGIH TLV</th>
<th>OSHA-Final PELs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethylene Oxide</td>
<td>5-21-8</td>
<td>n/a</td>
<td>1 ppm</td>
</tr>
<tr>
<td>Ethoxylated Nonyl Phenol</td>
<td>9016-45-9</td>
<td>n/a</td>
<td>n/a</td>
</tr>
</tbody>
</table>

Personal Protective Equipment
Provide adequate ventilation to keep exposure limits below the recommended TLV. Where this is not possible, personal respiratory protection should be employed.

Eyes: Safety glasses recommended.

Skin: Protect from thermal burn in molten state.

Section 9: Physical and Chemical Properties

Physical State: solid
Appearance: off-white
Odor: n/a
pH: n/a
Vapor Pressure: n/a
Vapor Density: 1.0 (air=1)
Evaporation Rate: nil
Viscosity: n/a
Boiling Point: >200°F
Freezing/Melting Point: 110°F
Autoignition Temperature: n/a
Flash Point: >210°F (Closed Cup)
Decomposition Temperature: n/a
Explosion Limits:
  Lower: n/a
  Upper: n/a
Solubility in water: 100%
Specific Gravity/Density: 1.12
Molecular Formula: n/a
Molecular Weight: n/a
Section 10: Stability and Reactivity

Chemical Stability: Stable

Conditions to Avoid: Excessive heat, Sparks, Open flames

Hazardous Decomposition of Products: Carbon monoxide, Carbon dioxide

Hazardous Polymerization: Will not occur

Section 11: Toxicological Information

There is no known data available which addresses medical conditions that are recognized as being aggravated by exposure to this product.

Section 12: Ecological Information

No data available.

Section 13: Disposal Considerations

Dispose of in accordance with all federal, state and local regulations.

Section 14: Transport Information

US DOT Hazard Class: Not hazardous from standpoint of transportation.

IATA (for international shipments)
Not hazardous from standpoint of transportation.

Section 15: Regulatory Information

United States:

TSCA
All components of this product are listed on the TSCA Inventory.

SARA
Chemical components of this product which are present in reportable quantities and are listed in Section 313 of the Emergency Planning and Community Right to Know Act of 1986 (SARA Title III) are shown below with their CAS Registry Numbers and Maximum Composition by weight.

<table>
<thead>
<tr>
<th>Listed Chemical</th>
<th>CAS#</th>
<th>Maximum Weight %</th>
</tr>
</thead>
<tbody>
<tr>
<td>none</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Canada
CAS# 75-21-8 is listed on the DSL List.
CAS# 75-21-8 is not listed on the NDSL List.
CAS# 9016-45-9 is listed on the DSL List.
CAS# 9016-45-9 is not listed on the NDSL List.

WHMIS:
This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and contains all the information required by the CPR.

European:
Safety Phrases:
  S25 Avoid contact with eyes.

NOTE: n/a = not available

Section 16: Other Information

Disclaimer of Liability:
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