## SECTION I

**MANUFACTURER'S NAME**
EpoxyMaster

**ADDRESS (Street, City, State and Zip Code)**
755 W. Big Beaver Rd., Suite 2020, Troy, MI 48084

**CHEMICAL NAME AND SYNONYMS**
N/A

**TRADE NAME AND SYNONYMS**
FLEXIBLE JOINT SEALER (PART A)

**CHEMICAL FAMILY**
N/A

**EMERGENCY TELEPHONE NO:**
CHEMTREC 800-424-9300

**MFG.CODE #**
EM-FJS

## SECTION II – HAZARDOUS INGREDIENTS

### HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES

<table>
<thead>
<tr>
<th>Chemical Name and Synonyms</th>
<th>CAS#</th>
<th>%</th>
<th>TLV (Units)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Modified Diglycidyl Ether of Bisphenol A</td>
<td>25068-38-6</td>
<td>&gt;1</td>
<td>N/A</td>
</tr>
<tr>
<td>Alkyl Glycidyl Ether</td>
<td>68609-97-2</td>
<td>&gt;1</td>
<td>N/A</td>
</tr>
<tr>
<td>Alkyl Phenol</td>
<td>84852-15-3</td>
<td>&gt;1</td>
<td>N/A</td>
</tr>
<tr>
<td>Limestone</td>
<td>1317-85-3</td>
<td>&gt;1</td>
<td>10 mg/m³</td>
</tr>
<tr>
<td>Titanium Dioxide</td>
<td>13463-67-7</td>
<td>&gt;1</td>
<td>10 mg/m³</td>
</tr>
</tbody>
</table>

All components of this product are listed on the E.P.A./TSCA inventory of chemical substances.

## SECTION III – PHYSICAL DATA

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boiling Point (deg. F)</td>
<td>200</td>
</tr>
<tr>
<td>Specific Gravity (H₂O = 1)</td>
<td>1.2</td>
</tr>
<tr>
<td>Vapor Pressure (mm. Hg.)</td>
<td>not determined</td>
</tr>
<tr>
<td>Percent Volatile by Volume (%)</td>
<td>0</td>
</tr>
<tr>
<td>Vapor Density (Air = 1)</td>
<td>not determined</td>
</tr>
<tr>
<td>Evaporation Rate ( =1)</td>
<td>N/A</td>
</tr>
<tr>
<td>Solubility in Water</td>
<td>negligible</td>
</tr>
<tr>
<td>Appearance and Odor</td>
<td>Medium viscosity white liquid.</td>
</tr>
</tbody>
</table>

## SECTION IV – FIRE AND EXPLOSION DATA

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flash Point (Method Used)</td>
<td>200+ degrees F</td>
</tr>
<tr>
<td>Seta Flash</td>
<td>N/A</td>
</tr>
<tr>
<td>Flammable Limits</td>
<td>LeL LeU</td>
</tr>
<tr>
<td>Extinguishing Media</td>
<td>Foam, Alcohol Foam, Carbon Dioxide, Dry Chemical, Water Fog</td>
</tr>
<tr>
<td>Special Fire Fighting Procedures</td>
<td>Fire fighters should wear full protective clothing including self-contained respiratory equipment operated in a positive mode.</td>
</tr>
<tr>
<td>Unusual Fire and Explosion Hazards</td>
<td>None</td>
</tr>
</tbody>
</table>

(Continued on Reverse Side)
SECTION V – HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE not established

PRIMARY ROUTES OF ENTRY

Inhalation  Skin Contact  Other

EFFECTS OF OVEREXPOSURE

Eyes - irritation. Skin - prolonged contact can cause irritation, may cause allergic skin reaction. Inhalation - not a likely route of exposure unless heated - when product is heated vapors can cause irritation to eyes. Ingestion - low acute oral toxicity.

EMERGENCY AND FIRST AID PROCEDURE

Eyes - flush with copious amounts of water lifting lids and removing contact lenses to ensure complete irrigation - get medical attention. Skin - wash with soap and water, launder contaminated clothing before reuse - get medical attention if irritation persists. Inhalation - remove to fresh air and assist breathing as necessary - get medical attention. Ingestion - if large amounts have been ingested - INDUCE VOMITING and get medical attention, otherwise get medical attention.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE

Persons with pre-existing respiratory or allergic reactions.

Carcinogen: NTP  IARC  OTHER

No

SECTION VI – REACTIVITY DATA

STABILITY

UNSTABLE

CONDITIONS TO AVOID

Excessive heat and open flames.

STABLE

X

INCOMPATABILITY (Conditions to avoid)

Strong Oxidizers, Lewis or Mineral acids

HAZARDOUS DECOMPOSITION PRODUCTS

Oxides of Carbon, Aldehydes, Acids

HAZARDOUS POLYMERIZATION

MAY OCCUR

CONDITIONS TO AVOID

WILL NOT OCCUR

None

SECTION VII – SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Use absorbent material to soak up spill. Shovel or sweep into container for disposal. Clean spill area with detergent solution.

WASTE DISPOSAL METHOD

In accordance with all local, state, and federal regulations.

SECTION VIII – SPECIAL PROTECTION INFORMATION

SPECIAL RESPIRATORY PROTECTION (Specify type)

Use NIOSH approved respirator as required to prevent overexposure to vapor in accordance with 29 CFR 1910.134.

VENTILATION

LOCAL EXHAUST

May be necessary to remove heated vapors.

SPECIAL

N/A

MECHANICAL (General)

Usually sufficient to control vapors and exposure hazards.

OTHER

N/A

PROTECTIVE GLOVES

Impervious

EYE PROTECTION

Chemical Goggles

OTHER PROTECTIVE EQUIPMENT

Eyewash and safety shower.

SECTION IX – SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Avoid contact - wear protective clothing and wash thoroughly after using. Contaminated leather articles cannot be cleaned and must be discarded.

OTHER PRECAUTIONS

Avoid inhalation of vapors especially if heated - use only with adequate ventilation. Do not take internally. Keep Out of Reach of Children

HMIS SYMBOL

HEALTH  2

FLAMMABILITY  1

REACTIVITY  0

SEVERE 4 EXTREME FIRE 2 1

SERIOUS 3 HIGH 2

MODERATE 2 MODERATE 0

SLIGHT 1 SLIGHT

MINIMAL 0 INSIGNIFICANT

NFPA SYMBOL

FIRE

REACTIVITY

SPECIAL

NAME

SIGNATURE

TITLE

PREPARATION DATE

December 1, 2009

PHONE NUMBER

CHEMTREC 800-424-9300

PAGE TWO: FLEXIBLE JOINT SEALER (PART A)
EpoxyMaster ®  
MATERIAL SAFETY DATA SHEET

MFG.CODE #  EM-FJS

SECTION I
MANUFACTURER'S NAME  
EpoxyMaster

EMERGENCY TELEPHONE NO:  
CHEMTREC 800-424-9300

ADDRESS (Street, City, State and Zip Code)  
755 W. Big Beaver Rd., Suite 2020  
Troy, MI  48084

TRADE NAME AND SYNONYMS  
FLEXIBLE JOINT SEALER (PART B)

CHEMICAL NAME AND SYNONYMS  
N/A

CHEMICAL FAMILY  
N/A

SECTION II – HAZARDOUS INGREDIENTS

HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS#</th>
<th>%</th>
<th>TLV (Units)</th>
</tr>
</thead>
<tbody>
<tr>
<td>N-Aminoethylpiperazine</td>
<td>140-31-8</td>
<td>&gt;1</td>
<td>N/A</td>
</tr>
<tr>
<td>Nonyl Phenol</td>
<td>25154-52-3</td>
<td>&gt;1</td>
<td>N/A</td>
</tr>
<tr>
<td>1,2 Benzenedicarboxilic Acid, Dibutyl Ester</td>
<td>84-74-2</td>
<td>&gt;1</td>
<td>5 mg/m³</td>
</tr>
<tr>
<td>Limestone</td>
<td>1317-85-3</td>
<td>&gt;1</td>
<td>10 mg/m³</td>
</tr>
<tr>
<td>Carbon Black</td>
<td>1333-86-4</td>
<td>&gt;1</td>
<td>3 mg/m³</td>
</tr>
</tbody>
</table>

This product contains 1 pound of 1,2 Benzenedicarboxilic Acid, Dibutyl Ester per gallon of product.

1,2 Benzenedicarboxilic Acid, Dibutyl Ester is a regulated chemical under the Emergency Planning and Right-To-Know Act. You are required to file E.P.A. SARA reports once the threshold of 10,000 pounds of this chemical has been purchased for one location in each calendar year.

All components of this product are listed on the E.P.A./TSCA inventory of chemical substances.

SECTION III – PHYSICAL DATA

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>BOILING POINT (deg. F)</td>
<td>360</td>
</tr>
<tr>
<td>SPECIFIC GRAVITY (H₂O = 1)</td>
<td>1.5</td>
</tr>
<tr>
<td>VAPOR PRESSURE (mm. Hg.)</td>
<td>not determined</td>
</tr>
<tr>
<td>PERCENT VOLATILE BY VOLUME (%)</td>
<td>0</td>
</tr>
<tr>
<td>VAPOR DENSITY (AIR = 1)</td>
<td>not determined</td>
</tr>
<tr>
<td>EVAPORATION RATE ( =1)</td>
<td>N/A</td>
</tr>
<tr>
<td>SOLUBILITY IN WATER</td>
<td>negligible</td>
</tr>
<tr>
<td>PH</td>
<td>N/A</td>
</tr>
</tbody>
</table>

APPEARANCE AND ODOR  
Medium viscosity black liquid.

SECTION IV – FIRE AND EXPLOSION DATA

<table>
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<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>FLASH POINT (Method Used)</td>
<td>200+ degrees F</td>
</tr>
<tr>
<td>SETA FLASH</td>
<td>N/A</td>
</tr>
<tr>
<td>FLAMMABLE LIMITS</td>
<td>N/A</td>
</tr>
</tbody>
</table>

EXTINGUISHING MEDIA  
Foam, Alcohol Foam, Carbon Dioxide, Dry Chemical

SPECIAL FIRE FIGHTING PROCEDURES  
Fire fighters should wear full protective clothing including self-contained respiratory equipment operated in a positive mode.

UNUSUAL FIRE AND EXPLOSION HAZARDS  
None

(Continued on Reverse Side)
SECTION V – HEALTH HAZARD DATA

<table>
<thead>
<tr>
<th>THRESHOLD LIMIT VALUE</th>
<th>PRIMARY ROUTES OF ENTRY</th>
<th>OTHER (Specify)</th>
</tr>
</thead>
<tbody>
<tr>
<td>not established</td>
<td>Inhalation</td>
<td>Skin Contact X</td>
</tr>
</tbody>
</table>

EFFECTS OF OVEREXPOSURE

Eyes - severe irritation, burns. Skin - chemical burns. Inhalation - high vapor concentrations can cause severe irritation to eyes, nose, throat, and respiratory tract. Ingestion - liquid can cause severe damage to mucous membranes if swallowed.

EMERGENCY AND FIRST AID PROCEDURE

Eyes - flush with copious amounts of water lifting lids and removing contact lenses to ensure complete irrigation - get medical attention. Skin - wash with soap and water, launder contaminated clothing before reuse - get medical attention immediately. Inhalation - remove to fresh air and assist breathing as necessary - get medical attention. Ingestion - if conscious give water or milk to dilute - get medical attention.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE

Persons with pre-existing respiratory or allergic conditions.

Carcinogen: NTP IARC OTHER

No

SECTION VI – REACTIVITY DATA

STABILITY

<table>
<thead>
<tr>
<th>UNSTABLE</th>
<th>CONDITIONS TO AVOID</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Excessive heat and open flames.</td>
</tr>
</tbody>
</table>

INCOMPATABILITY (Conditions to avoid)

Strong Oxidizers, reactive resins, Mineral Acids.

HAZARDOUS DECOMPOSITION PRODUCTS

Oxides of Carbon and Nitrogen

HAZARDOUS POLYMERIZATION

MAY OCCUR CONDITIONS TO AVOID

WILL NOT OCCUR X None

SECTION VII – SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Use absorbent material to soak up spill. Shovel or sweep into container for disposal. Clean spill area with detergent solution.

WASTE DISPOSAL METHOD

In accordance with all local, state, and federal hazardous chemical disposal regulations.

SECTION VIII – SPECIAL PROTECTION INFORMATION

SPECIAL RESPIRATORY PROTECTION (Specify type)

Use NIOSH approved respirator as required to prevent overexposure to vapors in accordance with 29 CFR 1910.134.

VENTILATION

LOCAL EXHAUST

If vapors become bothersome. SPECIAL N/A

MECHANICAL (General)

If vapors become bothersome. OTHER N/A

PROTECTIVE GLOVES

Impervious

EYE PROTECTION

Chemical Goggles

OTHER PROTECTIVE EQUIPMENT

Eyewash and safety shower.

SECTION IX – SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Avoid contact - wear protective clothing and wash thoroughly after using. Contaminated leather articles cannot be cleaned and must be discarded.

OTHER PRECAUTIONS

Avoid inhalation of vapors especially if heated - use only with adequate ventilation. Do not take internally. Keep Out of Reach of Children

HMIS SYMBOL

<table>
<thead>
<tr>
<th>HEALTH</th>
<th>FLAMMABILITY</th>
<th>REACTIVITY</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>1</td>
<td>0</td>
</tr>
</tbody>
</table>

SEVERE 4 EXTREME REACTIVITY SERIOUS 3 HIGH MODERATE 2 MODERATE SLIGHT 1 SLIGHT TOXICITY MINIMAL 0 INSIGNIFICANT

NAME

SIGNATURE

TITLE

PREPARATION DATE

December 1, 2009

PHONE NUMBER

CHEMTREC 800-424-9300

PAGE TWO:

FLEXIBLE JOINT SEALER (PART B)