SAFETY DATA SHEET

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Epoxy.com Product #2707 PART A
PRODUCT CODES: 2707 A
MANUFACTURER/DISTRIBUTOR: Epoxy Systems, Inc.
STREET ADDRESS: 20774 W Pennsylvania Ave.
CITY, STATE, ZIP: Dunnellon, FL 34431
INFORMATION PHONE: 352-489-1666
EMERGENCY PHONE: PERS 800-633-8253 International PERS: +1801 629 0667
FAX PHONE: 352-489-1625
PREPARED BY: Norm Lambert
DATE REVISED: 10/06/15
Chemical Name or Class: Epoxy mixture

SECTION 2: HAZARDS IDENTIFICATION

Hazard Overview
GHS Classification: Serious eye damage/Eye irritation category 2A, Skin irritation category 2, skin sensitizer category 1, Long term hazards to aquatic environment Category 2
GHS Label Elements and Precautionary Statements:
Label Elements: Exclamation Mark, Aquatic Toxicity
Hazard Statements:
Warning: Causes serious eye irritation.
Warning: Causes skin irritation
Warning: May cause an allergic skin reaction
Toxic to aquatic life with long lasting effects
Precautionary statements:
P102 Keep out of reach of children.
P103 Read label before use
P264 Wash hands thoroughly after handling.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P261 Avoid breathing dust/fume/gas/mist/vapours/spray. P272 Contaminated work clothing should not be allowed out of the workplace.
P273 Avoid release to the environment.
Response
P302 + P352 IF ON SKIN: wash with plenty of soap and water.
P333 + P313 IF SKIN irritation or rash occurs: Get medical advice/attention.
P362 + P364 Take off contaminated clothing and wash it before reuse.
P305 + P351 + P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P313 IF eye irritation persists: Get medical advice/attention.
P391 Collect spillage.
P501 Dispose of contents/container to a waste disposal facility in accordance with local, state, federal or international laws

Other Non-classifiable potential hazards
Carcinogen category 2

HMIS HAZARD CLASSIFICATION
HEALTH: 1 FLAMMABILITY: 1 REACTIVITY: 0 PERSONAL PROTECTIVE EQUIPMENT: B

POTENTIAL HEALTH EFFECTS
EYES: MAY CAUSE IRRITATION BUT NO CORNEAL INJURY IS LIKELY.
SKIN: MAY CAUSE IRRITATION OR ALLERGIC SKIN RESPONSE.
INGESTION: THIS MATERIAL HAS A PROBABLE LOW ACUTE ORAL TOXICITY.
INHALATION: NO GUIDE FOR CONTROL KNOWN, HOWEVER, EXPOSURE TO HEATED VAPORS CAN CAUSE IRRITATION TO THE NOSE, THROAT OR MUCOUS MEMBRANES.
HEALTH HAZARDS (ACUTE AND CHRONIC):
EPOXY RESINS CAN CAUSE SENSITIZATION BY EXPOSURE THROUGH CONTACT OR HIGH CONCENTRATION OF VAPOR. EYES: INJURY IF UNLIKELY BUT STAIN FOR EVIDENCE OF CORNEAL INJURY.
MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: RESPIRATORY CONDITIONS OR OTHER ALLERGIC AILMENTS.
CARCINOGENICITY
OSHA: NO NTP: Yes IARC: Yes
ADDITIONAL CARCINOGENICITY INFORMATION:
crystalline silica is listed by IARC as a group I carcinogen (lung) based on sufficient evidence in occupationally exposed humans and sufficient evidence in animals. Crystalline Silica is also listed by the NTP as a known human carcinogen.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>INGREDIENT</th>
<th>CAS NO.</th>
<th>OSHA PEL</th>
<th>ACGIH TLV</th>
<th>OSHA STEL</th>
<th>WEIGHT %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Modified Diglycidyl Ether of Bisphenol A</td>
<td>25068-38-6</td>
<td>NONE</td>
<td>NONE</td>
<td>NONE</td>
<td>30-60</td>
</tr>
<tr>
<td>Alkyl Glycidyl Ether</td>
<td>68609-97-2</td>
<td>NONE</td>
<td>NONE</td>
<td>NONE</td>
<td>7-13</td>
</tr>
<tr>
<td>BENZYL ALCOHOL</td>
<td>100-51-6</td>
<td>NONE</td>
<td>NONE</td>
<td>NONE</td>
<td>1-5</td>
</tr>
<tr>
<td>Attapulgite clay</td>
<td>12174-11-7</td>
<td>50mg/m3</td>
<td>10mg/m3</td>
<td>20mg/m3</td>
<td>15-40</td>
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<tr>
<td>*crystalline silica (as a component of Attapulgite clay)</td>
<td>14808-60-7</td>
<td>10mg/m3</td>
<td>.1mg/m3</td>
<td>.1mg/m3</td>
<td>&lt;0.3</td>
</tr>
</tbody>
</table>

SECTION 3 NOTES: (*) Indicates toxic chemical(s) subject to reporting requirements of section 313 of Title III and of 40 CFR 372. Note: Ingredients listed without percentages, the percentages are considered a trade secret.

SECTION 4: FIRST AID MEASURES

EYES:
FLUSH EYES WITH WATER FOR AT LEAST FIFTEEN MINUTES AND CONSULT A PHYSICIAN.

SKIN:
SKIN CONTACT WILL NORMALLY CAUSE NO MORE THAN IRRITATION BUT WASH AFFECTED AREA WITH SOAP AND WATER AND REMOVE CONTAMINATED CLOTHING PROMPTLY.

INGESTION:
LOW IN TOXICITY, INDUCE VOMITING ONLY IF LARGE AMOUNTS OF MATERIAL ARE INGESTED, AND OTHERWISE DO NOT INDUCE VOMITING. IN EITHER CASE CONSULT WITH A PHYSICIAN.

INHALATION:
REMOVE VICTIM TO FRESH AIR AND ADMINISTER OXYGEN IF NECESSARY.

NOTES TO PHYSICIANS OR FIRST AID PROVIDERS:

SECTION 5: FIRE-FIGHTING MEASURES

FLAMMABLE LIMITS IN AIR, (% by volume) 
UPPER: not available
LOWER: not available

FLASH POINT: 200+F

METHOD USED:
SETA FLASH

EXTINGUISHING MEDIA:
FOAM, ALCOHOL FOAM, CO2, DRY CHEMICAL, WATER FOG

SPECIAL FIRE FIGHTING PROCEDURES:
DO NOT ENTER CONFINED FIRE AREA WITHOUT FULL BUNKER GEAR INCLUDING A POSITIVE PRESSURE NIOSH APPROVED SELF-CONTAINED BREATHING APPARATUS. COOL ALL FIRE EXPOSED CONTAINERS WITH WATER.

UNUSUAL FIRE AND EXPLOSION HAZARDS:
NONE KNOWN.

SECTION 6: RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:
WEAR RESPIRATOR AND PROTECTIVE CLOTHING. SHUT OFF THE SOURCE AT THE LEAK. REMOVE EXCESS WITH VACUUM TRUCK AND TAKE UP THE REMAINDER WITH AN ABSORBENT SUCH AS CLAY AND PLACE IN DISPOSAL CONTAINERS. FLUSH AREA WITH WATER TO REMOVE RESIDUE.

SECTION 7: HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:
STORE IN A COOL DRY PLACE. SEAL ALL PARTIALLY USED CONTAINERS. WASH WITH SOAP AND WATER BEFORE EATING, DRINKING, SMOKING OR USING TOILET FACILITIES. MIXED MATERIALS CONTAIN THE HAZARDS OF ALL THE COMPONENTS, THEREFORE, READ THE MSDS’S OF ALL THE COMPONENTS PRIOR TO USING MATERIAL. PROPERLY LABEL ALL CONTAINERS

OTHER PRECAUTIONS:
AVOID ALL SKIN CONTACT. AVOID BREATHING VAPORS GENERATED FROM THE MATERIAL. OBSERVE CONDITIONS OF GOOD GENERAL HYGIENE AND SAFE WORKING PRACTICES. CONTAMINATED LEATHER ARTICLES CAN NOT BE CLEANED AND MUST BE DISCARDED IF CONTAMINATED WITH THIS PRODUCT. WASH ALL CONTAMINATED CLOTHING PRIOR TO THE REUSE THEREOF

PAGE 2 OF 9
SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

RESPIRATORY PROTECTION:
USE A NIOSH APPROVED RESPIRATOR AS REQUIRED TO PREVENT OVER EXPOSURE TO VAPOR IN ACCORDANCE WITH 29 CFR 1910.134. GENERAL EXHAUST IS USUALLY SUFFICIENT IN LIEU OF NIOSH RESPIRATOR.

VENTILATION:
GENERAL EXHAUST IS USUALLY SUFFICIENT TO CONTROL VAPORS AND EXPOSURE HAZARDS.

PROTECTIVE GLOVES:
IMPERVIOUS GLOVES – NEOPRENE OR RUBBER.

EYE PROTECTION:
SPLASH GOGGLES OR GLASSES WITH SIDE SHIELDS.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT:
WEAR BODY COVERING CLOTHING AND OTHER COVERINGS AS NECESSARY SUCH AS APRON AND APPROPRIATE FOOTWEAR TO AVOID CONTACT WITH MATERIAL.

WORK HYGIENIC PRACTICES:
OBSERVE GOOD GENERAL HYGIENIC PRACTICES.

SEE SECTION THREE FOR OCCUPATIONAL EXPOSURE LIMIT VALUES.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR: Viscous Paste – Negligible Odor
BOILING POINT OR RANGE °F: 200 to 401°F
VAPOUR DENSITY (AIR = 1): N/A
SPECIFIC GRAVITY (H2O = 1): 1.2
EVAPORATION RATE: N/A
SOLUBILITY IN WATER: NEGLIGIBLE

Odor Threshold: N/A
pH: N/A
Melting point/freezing point: N/A
Vapor Pressure: N/A
Auto Ignition Temperature: N/A
Partition Coefficient: n-octanol/water: N/A
Decomposition Temperature: N/A

SECTION 10: STABILITY AND REACTIVITY

STABILITY:
STABLE

CONDITIONS TO AVOID (STABILITY):
AVOID EXCESSIVE HEAT OR OPEN FLAMES.

INCOMPATIBILITY (MATERIAL TO AVOID):
CAN REACT VIGOROUSLY WITH STRONG OXIDIZING AGENTS AND STRONG LEWIS ACIDS OR MINERAL ACIDS.

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:
CO2, ALDEHYDES, ACIDS. REACTION WITH SOME CURING AGENTS CAN GENERATE LARGE AMOUNTS OF HEAT.

HAZARDOUS POLYMERIZATION:
WILL NOT OCCUR.

SECTION 11: TOXICOLOGICAL INFORMATION

No data for the product itself.
Component data:
Component CAS# 25068-38-6: Moderate sensitizer, slight eye irritant, moderate skin irritant, Oral LD50 >5000 mg/kg (rat), Dermal LD50 >6000 mg/kg (rabbit)
Component CAS# 68609-97-2: possible sensitizer, eye and skin irritant, Oral LD50 >10000 mg/kg (rat), Inhalation LD50 – no microscopic changes
Component Benzyl Alcohol: Inhalation LC50 (4hr) >4178 mg/l (rat), Dermal LD50 2000 mg/kg (rabbit) Rats exposed to 800 mg/kg for thirteen weeks exhibited CNS depression and histopathological changes in the brain, thymus and skeletal muscles. The No observed Adverse effect level (NOAEL) was 400 mg/kg. No evidence of carcinogenicity was seen in two year study with rats and mice.
Component CAS# 12174-11-7: Carcinogenic effects – this component may contain crystalline silica dust can cause silicosis, a form of progressive pulmonary fibrosis. Inhalable crystalline silica is listed by IARC as a group I carcinogen (lung) based on sufficient evidence in occupationally exposed humans and sufficient evidence in animals. Crystalline Silica is also listed by the NTP as a known human carcinogen. Oral LD50 (rat) > 8g/mg
SECTION 12: ECOLOGICAL INFORMATION

No data for the product itself.

Component data:

Component CAS# 25068-38-6: Biodegradability (Modified Sturm Method) 12%, Fish toxicity: Rainbow trout (96hr) LC50 1.5mg/l, Zebra Fish (96hr) LC50 2.4 mg/l, Invertebrate Toxicity: Daphnia Toxicity (24hr) EC 50 3.6 mg/l

Component CAS# 68609-97-2: possible sensitizer, eye and skin irritant, Oral LD50 >10000 mg/kg (rat), Inhalation LD50 – no microscopic changes

Component Benzyl Alcohol: EC50 (48hr) 400 mg/l Daphnia Magna, EC50 (72hr) 2600 mg/l Algae, Biodegradation BOD2 62. Slightly or not bioaccumulative. Toxicity to fish: LC50 (96 hr) 10 mg/l Bluegill sunfish (Lepomis macrochirus), LC50 (96hr) 460 ml/l Fathead minnow (Pimephales promelas), Toxicity to Algae: IC50 (72hr) 700 mg/l

Component CAS# 12174-11-7: The International Agency for Research on Cancer (IARC) has classified Attapulgite clay as group 3, not classifiable as to its carcinogenicity to humans. However, the International Agency for Research on Cancer (IARC) has classified: crystalline silica (a component of Attapulgite clay) as a Group 1 (known) human carcinogen. Crystalline silica is a NTP listed carcinogen.

SECTION 13: WASTE DISPOSAL

WASTE DISPOSAL METHOD:
DISPOSE OF THE MATERIAL IN A WASTE DISPOSAL SITE IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL LAW.

SECTION 14: Transport Information

DOT: Not Regulated

IMO/IMDG: UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCES, LIQUID, N.O.S. (CONTAINS Bisphenol A Diglycidyl Ether Polymer), 9, PGIII, MARINE POLLUTANT

SECTION 15: REGULATORY INFORMATION

No data for the product itself.

Component data:

Component CAS# 25068-38-6: Considered a hazardous chemical; is on the TSCA list; is on the DSL Canada, WHMIS class D2B; Is on the New Jersey Right to Know list; is on the PA Right to Know List;

Component CAS# 68609-97-2: Considered a hazardous chemical; is on the TSCA list; is on the DSL Canada, is on the New Jersey Right to Know list; is on the PA Right to Know List.

Component Benzyl Alcohol: E20/22 Harmful by inhalation and if swallowed. On TSCA list, on DSL Canada

Component CAS# 12174-11-7: may contain Crystalline Silica (Silicon Dioxide) which is on the TSCA list. NTP list as a known human carcinogen, California proposition 65 list as a known carcinogen, Massachusetts Toxic Use Reduction Act list as toxic, Pennsylvania Worker and community right to know Act list as a hazardous substance. Component is on the DSL, EINECS, AICS, ENCS, ECL, PICCS and CLECS lists

SECTION 16: OTHER INFORMATION

DISCLAIMER: The information Contained herein is based on the data available and is believed to be accurate, However, Epoxy Systems, Inc. makes no warranty expressed or implied regarding the accuracy of this data or the results obtained from the use thereof. Accordingly, we assume no responsibility for injury from the use of this product.

N/A = Not Available
See Section 1 for date of preparation
SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Epoxy.com Product #2707 part B
PRODUCT CODES: 2707 B

MANUFACTURER/DISTRIBUTOR: Epoxy Systems, Inc.
STREET ADDRESS: 20774 W Pennsylvania Ave.
CITY, STATE, ZIP: Dunnellon, FL 34431

INFORMATION PHONE: 352-489-1666
EMERGENCY PHONE: PERS 800-633-8253 International PERS: +1801 629 0667
FAX PHONE: 352-489-1625

PREPARED BY: Norm Lambert
DATE REVISED: 10/06/15

Chemical Name or Class: Polyamine mixture

SECTION 2: HAZARDS IDENTIFICATION

Hazard Overview
GHS Classification: Specific target organ toxicity following repeated exposure category 2, Skin corrosion/irritation category 1B, skin sensitizer category 1B, Serious eye damage category 1, Acute toxicity inhalation category 4, Germ cell Mutagenicity category 2, Acute hazard to aquatic environment category 2, Chronic hazards to aquatic environment category 2

GHS Label Elements and Precautionary Statements:
Label Elements: Health Hazard Exclamation Mark, Corrosion, Aquatic Toxicity

Hazard Statements:
Warning: May cause damage to organs (kidneys, liver, pancreas and spleen, and edema to the lungs) through inhalation and skin absorption
Danger: Causes severe skin burns and eye damage
Warning: May cause an allergic skin reaction
Danger: Causes serious eye damage
Warning: Harmful if inhaled
Warning: Suspected of causing genetic defects.
Toxic to aquatic life
Toxic to aquatic life with long lasting effects

Precautionary statements:
P102 Keep out of reach of children.
P103 Read label before use
P260 Do not breathe dust/fume/gas/mist/vapours/spray
P264 Wash hands thoroughly after handling.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P261 Avoid breathing dust/fume/gas/mist/vapours/spray. P272 Contaminated work clothing should not be allowed out of the workplace.
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P271 Use only outdoors or in a well-ventilated area
P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P273 Avoid release to the environment.
Response:
P314 Get medical advice/attention if you feel unwell
P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303 + P361 + P333 IF ON SKIN (or hair): Remove/Take off Immediately all contaminated clothing. Rinse SKIN with water/shower.
P363 Wash contaminated clothing before reuse.
P304 + P340 IF INHALED: Remove victim to fresh air and Keep at rest in a position comfortable for breathing.
P310 Immediately call a POISON CENTER or doctor/physician.
P321 If skin irritation or burns develop, Call a doctor/physician.
P305 + P351 + P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P302 + P352 IF ON SKIN: wash with plenty of soap and water.
P333 + P313 IF SKIN irritation or rash occurs: Get medical advice/attention.
P362 + P364 take off contaminated clothing and wash it before reuse.
P310 If in eyes, immediately call a POISON CENTER or doctor/physician.
P312 If inhaled, Call a POISON CENTER or doctor/physician if you feel unwell.
P308 + P313 IF exposed or concerned: Get medical advice/attention.
P391 Collect spillage
Storage:
P405 Store locked up
Disposal:
P501 Dispose of contents/container to a waste disposal facility in accordance with local, state, federal or international laws.
SAFETY DATA SHEET

PRODUCT CODE: 2707

HMIS HAZARD CLASSIFICATION
HEALTH: 3  FLAMMABILITY: 1  REACTIVITY: 0  PERSONAL PROTECTIVE EQUIPMENT: G

POTENTIAL HEALTH EFFECTS
EYES: WILL CAUSE BURNS TO EYES. HIGH VAPOR CONCENTRATIONS CAN CAUSE SEVERE IRRITATION TO THE EYES.
SKIN: WILL CAUSE BURNS TO THE SKIN
INGESTION: LIQUID CAN CAUSE SEVERE DAMAGE TO MUCOUS MEMBRANES IF SWALLOWED.
INHALATION: HIGH CONCENTRATIONS OF VAPOR CAN CAUSE IRRITATION TO THE RESPIRATORY TRACT, NAUSEA, AND DIZZINESS.

HEALTH HAZARDS (ACUTE AND CHRONIC):
PROLONGED OR REPEATED EXPOSURE MAY CAUSE ASTHMA AND SKIN SENSITIZATION OR OTHER ALLERGIC RESPONSES.
MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:
RESPIRATORY CONDITIONS OR OTHER ALLERGIC AILMENTS.

CARCINOGENICITY
OSHA: NO  NTP: yes  IARC: yes

ADDITIONAL CARCINOGENICITY INFORMATION:
crystalline silica is listed by IARC as a group I carcinogen (lung) based on sufficient evidence in occupationally exposed humans and sufficient evidence in animals. Crystalline Silica is also listed by the NTP as a known human carcinogen

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>INGREDIENT</th>
<th>CAS NO.</th>
<th>OSHA PEL</th>
<th>ACGIH TLV</th>
<th>OSHA STEL</th>
<th>WEIGHT %</th>
</tr>
</thead>
<tbody>
<tr>
<td>*PHENOL</td>
<td>108-95-2</td>
<td>5PPM</td>
<td>5PPM</td>
<td>10PPM</td>
<td>15.0</td>
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<tr>
<td>M-XYLENE DIAMINE</td>
<td>1477-55-0</td>
<td>NONE</td>
<td>.1mg/m3</td>
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<td>1-5</td>
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<tr>
<td>Benzene-1, 3-Dimethaneamine/Phenol/Formaldehyde</td>
<td>57214-10-5</td>
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<td>NONE</td>
<td>NONE</td>
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<tr>
<td>Propane-1,3-diamine, n-(3-(tridecyloxy)propyl)-branched</td>
<td>68479-04-9</td>
<td>NONE</td>
<td>NONE</td>
<td>NONE</td>
<td>10-30</td>
</tr>
<tr>
<td>Attapulgite clay</td>
<td>12174-11-7</td>
<td>50mg/m3</td>
<td>10mg/m3</td>
<td>20mg/m3</td>
<td>5-10</td>
</tr>
<tr>
<td>*crystalline silica (as a component of Attapulgite clay)</td>
<td>14807-60-7</td>
<td>10mg/m3</td>
<td>.1mg/m3</td>
<td>.1mg/m3</td>
<td>&lt;0.1</td>
</tr>
<tr>
<td>BENZYL ALCOHOL</td>
<td>100-51-6</td>
<td>NONE</td>
<td>NONE</td>
<td>NONE</td>
<td>1-5</td>
</tr>
<tr>
<td>Talc</td>
<td>14807-96-6</td>
<td>20mg/m3</td>
<td>20mg/m3</td>
<td>20mg/m3</td>
<td>30-60</td>
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<td>*crystalline silica (as a component of talc)</td>
<td>14808-60-7</td>
<td>10mg/m3</td>
<td>.1mg/m3</td>
<td>.1mg/m3</td>
<td>&lt;1.0</td>
</tr>
</tbody>
</table>

SECTION 3 NOTES:
(*)"Indicates toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372 are present.***
Note: Ingredients listed without percentages, the percentages are considered a trade secret.

SECTION 4: FIRST AID MEASURES

EYES: IMMEDIATELY FLUSH EYES WITH WATER FOR AT LEAST FIFTEEN MINUTES WHILE LIFTING UPPER AND LOWER LIDS. GET IMMEDIATE MEDICAL ASSISTANCE.
SKIN: FLUSH SKIN WITH WATER FOR AT LEAST 15 MINUTES AND REMOVE ALL CONTAMINATED CLOTHING IMMEDIATELY. GET MEDICAL ATTENTION IF REDDENING OR SWELLING OCCURS.
INGESTION: DO NOT INDUCE VOMITING. DILUTE BY GIVING WATER OR MILK TO DRINK IF VICTIM IS CONSCIOUS. GET MEDICAL ATTENTION IMMEDIATELY.
INHALATION: REMOVE VICTIM TO FRESH AIR AND ADMINISTER OXYGEN IF NECESSARY.
NOTES TO PHYSICIANS OR FIRST AID PROVIDERS:

SECTION 5: FIRE-FIGHTING MEASURES

FLAMMABLE LIMITS IN AIR, (% by volume)  UPPER: not available  LOWER: not available
FLASH POINT: 200+F
METHOD USED: SETA FLASH
EXTINGUISHING MEDIA: FOAM, ALCOHOL FOAM, CO2, WATER FOG
SPECIAL FIRE FIGHTING PROCEDURES:
SAFETY DATA SHEET

PRODUCT CODE: 2707

TOXIC FUMES WILL BE EVOLVED WHEN THIS MATERIAL IS INVOLVED IN A FIRE. A SELF-CONTAINED BREATHING APPARATUS SHOULD BE AVAILABLE FOR FIRE FIGHTING. COOL FIRE EXPOSED CONTAINERS WITH WATER.

UNUSUAL FIRE AND EXPLOSION HAZARDS:
NONE KNOWN.

SECTION 6: RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:
AVOID CONTACT WITH MATERIAL. WEAR THE APPROPRIATE SAFETY EQUIPMENT. STOP SPILL AT SOURCE, DYKE AREA TO PREVENT SPREADING. PUMP LIQUID TO SALVAGE TANK. TAKE UP REMAINDER WITH CLAY OR OTHER ABSORBENT AND PLACE IN DISPOSAL CONTAINERS.

SECTION 7: HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:
AVID ALL SKIN CONTACT. AVOID BREATHING VAPORS. RESEAL PARTIALLY USED CONTAINERS. PROPERLY LABEL ALL CONTAINERS. WASH WITH SOAP AND WATER BEFORE EATING, DRINKING, SMOKING, OR USING TOILET FACILITIES. OBSERVE CONDITIONS OF GOOD INDUSTRIAL HYGIENE AND SAFE WORKING PRACTICES.
OTHER PRECAUTIONS:
MIXED MATERIALS CONTAIN THE HAZARDS OF ALL THE COMPONENTS, THEREFORE, READ THE MSDS OF ALL COMPONENTS TO BECOME FAMILIAR WITH ALL HAZARDS PRIOR TO USING THIS PRODUCT.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

RESPIRATORY PROTECTION:
NIOSH APPROVED RESPIRATOR PROTECTION REQUIRED IN THE ABSENCE OF PROPER ENVIRONMENTAL CONTROLS. FOR EMERGENCIES A SELF-CONTAINED BREATHING APPARATUS OR A FULL FACE RESPIRATOR IS RECOMMENDED.
VENTILATION:
AVID BREATHING VAPORS. VENTILATION MUST BE SUFFICIENT TO CONTROL VAPORS.
PROTECTIVE GLOVES:
IMPERVIOUS GLOVES – NEOPRENE OR RUBBER
EYE PROTECTION:
SPLASH GOGGLES OR GLASSES WITH SIDE SHIELDS.
OTHER PROTECTIVE CLOTHING OR EQUIPMENT:
WEAR BODY COVERING CLOTHING AND OTHER COVERINGS AS NECESSARY SUCH AS APRON AND APPROPRIATE FOOTWEAR TO AVOID CONTACT WITH MATERIAL.
WORK HYGIENIC PRACTICES:
OBSERVE GOOD GENERAL HYGIENIC PRACTICES.

SEE SECTION THREE FOR OCCUPATIONAL EXPOSURE LIMIT VALUES.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR: AMBER Viscous paste WITH AMINE ODOR
BOILING POINT OR RANGE °F: 401F
VAPOR DENSITY (AIR = 1): N/A
SPECIFIC GRAVITY (H2O = 1): 1.4
EVAPORATION RATE: N/A
SOLUBILITY IN WATER: NEGLIGIBLE

Odor Threshold: N/A
pH: N/A
Melting point/freezing point: N/A
Vapor Pressure: N/A
Auto Ignition Temperature: N/A
Partition Coefficient: n-octanol/water: N/A
Decomposition Temperature: N/A

SECTION 10: STABILITY AND REACTIVITY

STABILITY:
STABLE
CONDITIONS TO AVOID (STABILITY):
AVOID CONTACT WITH OPEN FLAMES AND ALL SOURCES OF IGNITIONS AND SPARKS.
INCOMPATIBILITY (MATERIAL TO AVOID):
SAFETY DATA SHEET

AVOID CONTACT WITH STRONG OXIDIZING AGENTS MINERAL ACIDS AND EPOXY RESINS IN UNCONTROLLED AMOUNTS.
HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:
CO, CO2, NOX
HAZARDOUS POLYMERIZATION:
WILL NOT OCCUR.

SECTION 11: TOXICOLOGICAL INFORMATION

No data for the product itself.
Component data:
For the Components. *PHENOL, M-XYLENE DIAMINE and Benzene-1, 3-Dimethaneamine/Phenol/ Formaldehyde: Ingestion LD50 > 2200 mg/kg (rat), Inhalation LC50 (1h) > 20mg/l (rat), Skin LD50 > 1000 mg/kg (rabbit) all estimated. Eye Irritation – Severe eye irritant. Acute dermal irritation – severe skin irritant.
Component PHENOL: Adsorption of phenolic solutions through the skin may be very rapid and can cause death. Lesser expositions can cause damage to the kidneys, liver, pancreas and spleen, and edema to the lungs. Chronic exposures can cause death from liver and kidney damage.
Component Propane-1,3-diamine, n-(3-(tridecycloxy)propyl)-branched CAS# 68479-04-9: Ingestion LD50 >2000 mg/kg (rabbit, estimated). Skin LD50 >2000 mg/kg (rabbit, estimated). Component is a severe eye irritant and severe skin irritant.
Component CAS# 12174-11-7: Carcinogenic effects – this component may contain crystalline silica dust can cause silicosis, a form of progressive pulmonary fibrosis. Inhalable crystalline silica is listed by IARC as a group I carcinogen (lung) based on sufficient evidence in occupationally exposed humans and sufficient evidence in animals. Crystalline Silica is also listed by the NTP as a known human carcinogen. Oral LD50 (rat) > 8g/mg
Component Benzyl Alcohol: Inhalation LC50 (4hr) >4178 mg/l (rat), Dermal LD50 2000 mg/kg (rabbit) Rats exposed to 800 mg/kg for thirteen weeks exhibited CNS depression and histopathological changes in the brain, thymus and skeletal muscles. The No observed Adverse effect level (NOAEL) was 400 mg/kg. No evidence of carcinogenicity was seen in two year study with rats and mice.
Component CAS# 14807-96-6: Carcinogenic effects – this component may contain crystalline silica dust can cause silicosis, a form of progressive pulmonary fibrosis. Inhalable crystalline silica is listed by IARC as a group I carcinogen (lung) based on sufficient evidence in occupationally exposed humans and sufficient evidence in animals. Crystalline Silica is also listed by the NTP as a known human carcinogen

SECTION 12: ECOLOGICAL INFORMATION

No data for the product itself.
Component data:
Component PHENOL: Toxicity to Daphnia EC50 (48h) 4.2 mg/l; EC50 (48h) 5.55 mg/l; EC50 (48h) 6.6 mg/l. This component has a low bioaccumulation potential.
Component CAS# 12174-11-7: The International Agency for Research on Cancer (IARC) has classified Attapulgite clay as group 3, not classifiable as to its carcinogenicity to humans. However, the International Agency for Research on Cancer (IARC) has classified: crystalline silica (a component of Attapulgite clay, as a Group 1 (known) human carcinogen. Crystalline silica is a NTP listed carcinogen. Component Benzyl Alcohol: EC50 (48hr) 400 mg/l Daphnia Magna, EC50 (72hr) 2600 mg/l Algae, Biodegradation BOD5 62. Slightly or not bioaccumulative. Toxicity to fish: LC50 (96 h) 10 mg/l Bluegill sunfish (Lepomis macrochinus), LC50 (96hr) 460 mL/l Fathead minnow (Pimephales promelas), Toxicity to Algae: IC50 (72hr) 700 mg/l
Component CAS# 14807-96-6: There is no data that suggests that crystalline silica is toxic to birds, fish, invertebrates, microorganisms or plants.

SECTION 13: WASTE DISPOSAL

WASTE DISPOSAL METHOD:
DISPOSE OF MATERIAL AS A HAZARDOUS WASTE ACCORDING TO FEDERAL, STATE, AND LOCAL REGULATIONS.

SECTION 14: Transport Information

DOT: UN1760, CORROSIVE LIQUID N.O.S. (CONTAINS PHENOL SOLUTIONS, M-XYLENE DIAMINE), 8, PG III
IMO/IMDG: UN1760, CORROSIVE LIQUID N.O.S. (CONTAINS PHENOL SOLUTIONS, M-XYLENE DIAMINE), 8, PG III, MARINE POLLUTANT

SECTION 15: REGULATORY INFORMATION

No data for the product itself.
Component data:
For the Components. *PHENOL, M-XYLENE DIAMINE and Benzene-1, 3-Dimethaneamine/Phenol/ Formaldehyde: Comonents are on the TSCA list as well as EINECS, DSL, AICS, ENCS, ECK, SEPA, and PICCS inventory lists.
Component PHENOL: Is a SARA Title III Section 313 Component above the ‘de minimus’ level.
Component Propane-1,3-diamine, n-(3-(tridecycloxy)propyl)-branched CAS# 68479-04-9: Component is on the TSCA, EINECS, Canada DSL and ECL lists.
Component CAS# 12174-11-7: may contain Crystalline Silica (Silicon Dioxide) which is on the TSCA list. NTP list as a known human carcinogen, California proposition 65 list as a known carcinogen, Massachusetts Toxic Use Reduction Act list as toxic, Pennsylvania Worker and community right to know Act list as a hazardous substance. Component is on the DSL, EINECS, AICS, ENCS, ECL, PICCS and CLECS lists

Component Benzyl Alcohol: E20/22 Harmful by inhalation and if swallowed. On TSCA list, on DSL Canada

Component CAS# 14807-96-6 may contain Crystalline Silica (Silicon Dioxide) which is on the TSCA list. NTP list as a known human carcinogen, California proposition 65 list as a known carcinogen, Massachusetts Toxic Use Reduction Act list as toxic, Pennsylvania Worker and community right to know Act list as a hazardous substance.

SECTION 16:  OTHER INFORMATION

DISCLAIMER: The information Contained herein is based on the data available and is believed to be accurate, However, Epoxy Systems, Inc. makes no warranty expressed or implied regarding the accuracy of this data or the results obtained from the use thereof. Accordingly, we assume no responsibility for injury from the use of this product.

N/A = Not Available
See Section 1 for date of preparation