1. Product and Company Identification

Product Code: 80-CLEAR
Product Name: 80 Clear Acrylic Sealer
Trade Name: 80 Clear Acrylic Sealer

Manufacturer Information

Company Name: Epoxy Systems, Inc.
20774 W Pennsylvania Ave.
Dunnellon, FL 34431

Phone Number: +1 (352) 489-1666
Emergency Contact: PERS (USA) (800) 633 8253

Alternate Emergency Contact: PERS (International) +1 (801) 629 0667

Intended Use: Industrial Maintenance Coatings

2. Hazards Identification

GHS Classification

Flammable Liquids, Category 3
Acute Toxicity: Inhalation, Category 4
Acute Toxicity: Skin, Category 4
Skin Corrosion/Irritation, Category 2

GHS Hazard Phrases

H226 - Flammable liquid and vapor.
H332 - Harmful if inhaled.
H312 - Harmful in contact with skin.
H315 - Causes skin irritation.

GHS Precaution Phrases

P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P261 - Avoid breathing dust/fume/gas/mist/vapors/spray.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P240 - Ground/bond container and receiving equipment.
P241 - Use explosion-proof electrical/ventilating/lighting/.../ equipment.
P243 - Take precautionary measures against static discharge.
P242 - Use only non-sparking tools.
P271 - Use only outdoors or in a well-ventilated area.
P264 - Wash hands thoroughly after handling.
P235+410 - Keep cool and protect from sunlight.

GHS Response Phrases

P370+378 - In case of fire, use CO2, Dry Chemical, Foam, or Water Spray (fog) to extinguish. P374 - Fight fire with normal precautions from a reasonable distance.
P303+361+353 - IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower. P332+313 - If skin irritation occurs, get medical advice/attention. P363 - Wash contaminated clothing before reuse.
P304+340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. P342+311 - If experiencing respiratory symptoms call a POISON CENTER or doctor/physician. P301+330+331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. P311 - Call a POISON CENTER or doctor/physician.

GHS Storage and Disposal Phrases
- P410 - Protect from sunlight.
- P403+235 - Store in cool/well-ventilated place.
- P501 - Dispose of contents/container to local, state, and federal authority requirements.

Potential Health Effects (Acute and Chronic)
- May cause eye irritation. May cause skin irritation. May cause respiratory irritation.

Inhalation
- Causes respiratory tract irritation.

Skin Contact
- Causes skin irritation.

Eye Contact
- Causes eye irritation.

Ingestion
- May be harmful if swallowed.

Recommended Exposure Limits
- Not established.

Medical Conditions Generally Aggravated By Exposure
- Skin disorders, Respiratory disorders, Eye disorders, Skin Allergies.

OSHA Regulatory Status:
- This material is classified as hazardous under OSHA regulations.

### 3. Composition/Information on Ingredients

<table>
<thead>
<tr>
<th>Hazardous Components (Chemical Name)</th>
<th>CAS #</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Xylene</td>
<td>1330-20-7</td>
<td>80 - 90 %</td>
</tr>
</tbody>
</table>

### 4. First Aid Measures

**Emergency and First Aid Procedures**

**In Case of Inhalation**
If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. If experiencing respiratory symptoms: Get medical attention immediately.

**In Case of Skin Contact**
In case of contact, immediately wash skin with soap and copious amounts of water. Remove contaminated clothing and shoes. Get medical attention if irritation develops or persists.

**In Case of Eye Contact**
In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.

**In Case of Ingestion**
If swallowed, wash out mouth with water provided person is conscious. Call a physician immediately. Do not induce vomiting. For further assistance, contact your local Poison Control Center.

**Signs and Symptoms Of Exposure**
- May cause rash on skin, and redness in eyes. May cause coughing by inhalation of a mist or spray.

### 5. Fire Fighting Measures

**Flammability Classification:** 3

**Flash Pt:** > 65.00 F  Method Used: Closed Cup
Explosive Limits:  
LEL: NE  
UEL: NE

Autoignition Pt:  
> 700.00 F

**Fire Fighting Instructions**
Protective Equipment: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

**Flammable Properties and Hazards**
Flammable liquid. Keep away from heat. Keep away from sources of ignition.

**Hazardous Combustion Products**
Hazardous decomposition products formed under fire conditions. Carbon oxides, acrylic monomers.

**Suitable Extinguishing Media**
Dry chemical, CO2, water spray or regular foam.

**Unsuitable Extinguishing Media**
Do not use a direct water stream, which may spread fire.

### 6. Accidental Release Measures

**Steps To Be Taken In Case Material Is Released Or Spilled**
PROCEDURE TO BE FOLLOWED IN CASE OF LEAK OR SPILL.
Ventilate the area before entry. Isolate hazard area. Keep unnecessary and unprotected personnel from entering. Absorb with sand or vermiculite and place in closed containers for disposal. Use clean non-sparking tools to collect absorbed material.

**Protective Precautions, Protective Equipment and Emergency Procedures**
Wear respirator, chemical safety goggles, rubber boots, and heavy rubber gloves. Where splashing is possible, full chemically resistant protective clothing, and boots are required.

**Environmental Precautions**
Prevent entry into waterways, sewers, basements or confined areas.

### 7. Handling and Storage

**Hazard Label Information:**
Keep away from sources of ignition. Avoid inhalation of vapor or mist. Use only in a well ventilated area. Store away from heat.

**Precautions To Be Taken in Handling**
Read product SDS and all labels before use. Ground and bond containers when transferring material. Provide adequate ventilation. Do not breathe vapor. Do not get in eyes, on skin or on clothing. Keep away from heat, sparks, and flame.

**Precautions To Be Taken in Storing**
Store away from sparks, flames. Store in cool/well-ventilated place. Store in a tightly closed container.

**Other Precautions**
Wash thoroughly after handling.

### 8. Exposure Controls/Personal Protection

#### Hazardous Components (Chemical Name) | CAS # | OSHA PEL | ACGIH TWA | Other Limits
--- | --- | --- | --- | ---
1. Xylene | 1330-20-7 | PEL: 100 ppm | TLV: 100 ppm STEL: 150 ppm | No data.

**Protective Equipment Summary - Hazard Label Information:**
Neoprene gloves  Safety glasses, or goggles  Impervious clothing  Chemical resistant boots

**Respiratory Equipment (Specify Type)**
Use local exhaust ventilation to maintain airborne concentrations below the TLV, or if values are unknown. Suitable respiratory equipment should be used in cases of insufficient ventilation or where operational procedures demand it. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).
Eye Protection
Safety glasses, or goggles.

Protective Gloves
Nitrile rubber and Neoprene are recommended. Check during use that the gloves are still retaining their protective properties.

Other Protective Clothing
Where splashing is possible, full chemically resistant protective clothing, safety glasses or face shield and boots are required.

Engineering Controls (Ventilation etc.)
Good general ventilation should be sufficient to control airborne levels. Safety shower and eye bath.

Work/Hygienic/Maintenance Practices
Wash contaminated clothing before reuse. Discard contaminated shoes. Wash thoroughly after handling.

Environmental Exposure Controls
Avoid runoff into storm sewers and ditches which lead to waterways. May be hazardous to the environment if released in large quantities.

9. Physical and Chemical Properties

<table>
<thead>
<tr>
<th>Physical States:</th>
<th>[ ] Gas</th>
<th>[ X ] Liquid</th>
<th>[ ] Solid</th>
</tr>
</thead>
<tbody>
<tr>
<td>Melting Point:</td>
<td>NE</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Boiling Point:</td>
<td>~ 277.00 F</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Decomposition Temperature:</td>
<td>NE</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Autoignition Pt:</td>
<td>&gt; 700.00 F</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Flash Pt:</td>
<td>&gt; 65.00 F</td>
<td>Method Used:</td>
<td>Closed Cup</td>
</tr>
<tr>
<td>Explosive Limits:</td>
<td>LEL: NE</td>
<td>UEL: NE</td>
<td></td>
</tr>
<tr>
<td>Specific Gravity (Water = 1):</td>
<td>~ .903</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Density:</td>
<td>~ 7.53 LB/GL</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Vapor Pressure (vs. Air or mm Hg):</td>
<td>NE</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Vapor Density (vs. Air = 1):</td>
<td>NE</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Evaporation Rate:</td>
<td>NE</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Solubility in Water:</td>
<td>No data.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Solubility Notes</td>
<td>Insoluble.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Percent Volatile:</td>
<td>~ 83 % by weight.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>VOC / Volume:</td>
<td>~ 6.2500 LB/GL</td>
<td></td>
<td></td>
</tr>
<tr>
<td>HAP / Volume:</td>
<td>~ 6.2500 LB/GL</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Saturated Vapor Concentration:</td>
<td>NE</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Appearance and Odor
Appearance: Clear.
Odor: Solvent odor.

10. Stability and Reactivity

Stability: Unstable [ ] Stable [ X ]

Reactivity
Avoid: acids, alkalis, oxidizing agents.

Conditions To Avoid - Instability
Extreme temperatures.
Incompatibility - Materials To Avoid
Avoid strong acids, bases, and oxidizing agents.

Hazardous Decomposition Or Byproducts
Thermal decomposition may produce smoke, carbon monoxide, carbon dioxide, acrylic monomers.

Possibility of Hazardous Polymerization:
Will not occur [ X ]

Conditions To Avoid - Hazardous Reactions
Will not undergo hazardous polymerization in normal storage conditions.

11. Toxicological Information

Toxicological Information
Hazardous in case of skin contact (irritant, permeator), of ingestion, of inhalation. High concentrations may cause central nervous system depression resulting in headaches, dizziness and nausea.

CAS# 1330-20-7:
Acute toxicity, LD50, Oral, Rat, 4300. MG/KG.
Results:
Liver: Other changes.
Kidney, Ureter, Bladder: Other changes.

- AMA Archives of Industrial Health., For publisher information, see AEHLAU, Chicago, IL, Vol/p/yr: 14,387, 1956

Acute toxicity, LC50, Inhalation, Rat, 5000. PPM, 4 H.
Results:
Behavioral: Convulsions or effect on seizure threshold.
Behavioral: Ataxia.
Lungs, Thorax, or Respiration: Dyspnea.

Chronic Toxicological Effects
May cause damage to the following organs: blood, kidneys, liver, mucous membranes, bone marrow, central nervous system (CNS).

Irritation or Corrosion
Moderate irritation effect. Skin Irritation. Irritating to eyes. Respiratory irritant.

Symptoms related to Toxicological Characteristics
Skin Irritation. May cause rash on skin, and redness in eyes. May cause coughing by inhalation of a mist or spray.

Carcinogenicity/Other Information
Ethylbenzene is classified by IARC as possibly carcinogenic to humans (2B) based on inadequate evidence in humans and sufficient evidence in laboratory animals.

<table>
<thead>
<tr>
<th>Hazardous Components (Chemical Name)</th>
<th>CAS #</th>
<th>NTP</th>
<th>IARC</th>
<th>ACGIH</th>
<th>OSHA</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Xylene</td>
<td>1330-20-7</td>
<td>n.a.</td>
<td>3</td>
<td>A4</td>
<td>n.a.</td>
</tr>
</tbody>
</table>

12. Ecological Information

General Ecological Information
Avoid release to the environment. May be hazardous to the environment if released in large quantities.

Results of PBT and vPvB assessment
No data available.

Persistence and Degradability
Not readily biodegradable.
Bioaccumulative Potential
No data available.

Mobility in Soil
not reported, unknown.

13. Disposal Considerations

Waste Disposal Method
Do not re-use empty containers. Do not burn, or use a cutting torch on, the empty drum. Dispose of this product, product solutions and its container according to federal, state and local authority requirements. Liquids cannot be disposed of in a landfill. Empty containers may contain product residue. Care should be taken while handling and disposing of empty containers that contain residue.

14. Transport Information

LAND TRANSPORT (US DOT)
DOT Proper Shipping Name: Resin solution, [flammable]
DOT Hazard Class: 3
DOT Hazard Label: FLAMMABLE LIQUID
UN/NA Number: UN1866
Packing Group: III
Precautionary Label: Warning! Flammable Liquid. May be harmful if swallowed. May cause skin, eye, and respiratory irritation. Vapors may be harmful to the respiratory tract. Always read Safety Material Data Sheet before use.

AIR TRANSPORT (ICAO/IATA)
ICAO/IATA Shipping Name: Resin solution, [flammable]
UN Number: 1866
Hazard Class: 3 - FLAMMABLE LIQUID
Packing Group: III

MARINE TRANSPORT (IMDG/IMO)
IMDG/IMO Shipping Name: Resin solution, [flammable]
UN Number: 1866
Class: Hazard
Group: IMDG EMS
Number: Marine
Pollutant: FE,SE

15. Regulatory Information

US EPA SARA Title III
Hazardous Components (Chemical Name) | CAS # | Sec.302 (EHS) | Sec.304 RQ | Sec.313 (TRI) | Sec.110
--- | --- | --- | --- | --- | ---
1. Xylene | 1330-20-7 | No | Yes 100 LB | Yes | Yes

Regulatory Information
SARA Section 311/312: Fire, Acute, Chronic.

16. Other Information

CA=CARCA NA=NOT AVAILABLE NE=NOT ESTABLISHED NR=NOT REGULATED NP= NOT APPLICABLE PR=PROPRIETARY TS=TRADE SECRET ?=UNKNOWN.

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