1. Product and Company Identification

**Product Code:** 12-A  
**Product Name:** Epoxy.com Product #12 Clear Chemical Resistant Epoxy Primer / Sealer – Part A  
**Trade Name:** Epoxy.com Product #12 Clear Chemical Resistant Epoxy Primer / Sealer – Part A  

**Manufacturer Information**

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

**Emergency Contact:** PERS +1 (800)633-8253  
**Alternate Emergency Contact:** International +1 (801)629-0667  
**Information:** Epoxy Systems, Inc. +1 (352)489-1666  
**Email address:** www.epoxy.com  

**Intended Use:** Industrial floor coatings.

2. Hazards Identification

**GHS Classification**

<table>
<thead>
<tr>
<th>Condition</th>
<th>Placard</th>
<th>Key word</th>
<th>GHS hazard phrase</th>
</tr>
</thead>
<tbody>
<tr>
<td>Skin Corrosion/Irritation, Category 3</td>
<td>none</td>
<td>Warning</td>
<td>Causes mild skin irritation</td>
</tr>
<tr>
<td>Serious Eye Damage/Eye Irritation, Category 2B</td>
<td>none</td>
<td>Warning</td>
<td>Causes eye irritation</td>
</tr>
<tr>
<td>Skin Sensitization, Category 1B</td>
<td>Exclamation point</td>
<td>Warning</td>
<td>May cause an allergic skin reaction</td>
</tr>
</tbody>
</table>

**GHS Hazard Phrases**

- H316 - Causes mild skin irritation. H317 - May cause an allergic skin reaction.  
- H320 - Causes eye irritation.  
- H335 - May cause respiratory irritation.

**GHS Precaution Phrases**

- P264 - Wash hands thoroughly after handling.  
- P261 - Avoid breathing dust/fume/gas/mist/vapors/spray.  
- P280 - Wear protective gloves/protective clothing/eye protection/face protection.  
- P362+364 - Take off contaminated clothing and wash it before reuse.

**GHS Response Phrases**

- P305+351+338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
- P337+313 - If eye irritation persists, get medical advice/attention.  
- P302+352 - IF ON SKIN: Wash with plenty of soap and water. P333+313 - If skin irritation or rash occurs, seek medical advice/attention.  
- P301+330+331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. P310 - Immediately call a POISON CENTER or doctor/physician.

**GHS Storage and Disposal Phrases**

- 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 skin sensitization, an allergic reaction, which becomes evident on reexposure to this material.
Inhalation
May cause respiratory irritation.

Skin Contact
May cause skin irritation.

Eye Contact
May cause 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. Oxirane, 2,2'-(1-Methylethylidene)bis(4,1-phenyleneoxy) methy</td>
<td>25085-99-8</td>
<td>75.0 -90.0 %</td>
</tr>
<tr>
<td>2. Oxirane, Mono.((C12-14-alkyloxy)methyl). derivs.</td>
<td>68609-97-2</td>
<td>10.0 -25.0 %</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**
Moderate irritation effect.

### 5. Fire Fighting Measures

**Flash Pt:** > 200.00 F  
**Method Used:** Pensky-Marten Closed Cup

**Explosive Limits:**
LEL: NE  
UEL: NE

**Autoignition Pt:**
No data available.

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

**Flammable Properties and Hazards**
Product is not considered a fire hazard. Closed containers may rupture (due to build up in pressure) when exposed to extreme heat.
Hazardous Combustion Products
Hazardous decomposition products formed under fire conditions. Carbon dioxide, Carbon monoxide, Phenolics.

Suitable Extinguishing Media
Dry chemical or CO2. 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.
Absorb with sand or vermiculite and place in closed containers for disposal. Ventilate the area.

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:
Avoid contact with skin and eyes. Do not get on skin and clothing. Avoid inhalation of vapor or mist.
Store in a closed container.

Precautions To Be Taken in Handling
Provide adequate ventilation. Do not breathe vapor. Do not get in eyes, on skin or on clothing.

Precautions To Be Taken in Storing
Keep container tightly closed in a dry and well-ventilated place.

Other Precautions
Wash thoroughly after handling.

8. Exposure Controls/Personal Protection

<table>
<thead>
<tr>
<th>Hazardous Components (Chemical Name)</th>
<th>CAS #</th>
<th>OSHA PEL</th>
<th>ACGIH TLV</th>
<th>Other Limits</th>
</tr>
</thead>
</table>

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

Respiratory Equipment (Specify Type)
Normally when good engineering controls are used, no respiratory protection is needed. However, if cured product is abraded by sanding or grinding use a NIOSH approved air-purifying respirator. Where risk assessment shows air-purifying respirators are appropriate use a dust mask type N95 (US) or type P1 (EN 143) respirator. A NIOSH/MSHA approved air purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air purifying respirators is limited. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air purifying respirators may not provide adequate protection.

Eye Protection
Safety glasses, or goggles.

Protective Gloves
Nitrile rubber and Neoprene are recommended.
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

Physical States: [ ] Gas [ X ] Liquid [ ] Solid
Melting Point: NE
Boiling Point: NE
Decomposition Temperature: NE
Autoignition Pt: No data.
Flash Pt: > 200.00 F Method Used: Pensky-Marten Closed Cup
Explosive Limits: LEL: NE UEL: NE
Specific Gravity (Water = 1): ~ 1.139
Density: ~ 9.5 LB/GL
Vapor Pressure (vs. Air or mm Hg): NE
Vapor Density (vs. Air = 1): NE
Evaporation Rate: NE
Solubility in Water: ~
Solubility Notes
Practically insoluble.
Percent Volatile: 0.0 % by volume.
VOC / Volume: NP
HAP / Volume: NP
Saturated Vapor Concentration: NE

Appearance and Odor
Odor: Epoxy odor.
Appearance: Straw; straw-colored.

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, Phenolics.
Possibility of Hazardous Polymerization:
Will occur [ ]  Will not occur [ X ]

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

11. Toxicological Information

Toxicological Information
May cause sensitization by skin contact.

Chronic Toxicological Effects
Skin sensitization.

Irritation or Corrosion
Skin irritation. Irritating to eyes.

Symptoms related to Toxicological Characteristics
May cause redness, rash on skin.

Hazardous Components (Chemical Name) | CAS #  | NTP | IARC | ACGIH | OSHA
--- | --- | --- | --- | --- | ---
1. Oxirane, 2,2'-(1-Methylethylidene)bis(4,1-phenyleneoxy) methy | 25085-99-8 | n.a. | n.a. | n.a. | n.a.

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
Incinerate or dispose of unused material, residues and containers in a licensed facility in accordance with all applicable local, state and federal regulations. Do not discharge substance/product into sewage system.

14. Transport Information

LAND TRANSPORT (US DOT)
DOT Proper Shipping Name
Synthetic Resin Liquid. Not Regulated.
Precautionary Label
Avoid skin and eye contact. May cause eye and skin irritation. May cause skin sensitization. Wear protective equipment and clothing. Always read MSDS/SDS before use.

AIR TRANSPORT (ICAO/IATA)
ICAO/IATA Shipping Name
Synthetic Resin Liquid. Not Regulated.

MARINE TRANSPORT (IMDG/IMO)
IMDG/IMO Shipping Name
Synthetic Resin Liquid. Not Regulated.
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. Oxirane, 2,2'-(1-Methylethylidene)bis(4,1-phenyleneoxy methy | 25085-99-8 | No | No | No | No |
2. Oxirane, Mono.((C12-14-alkyloxy)methyl). derivs. | 68609-97-2 | No | No | No | No |

SARA Section 311/312: Acute Health Hazard.

16. Other Information

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

Company Policy or Disclaimer

The information contained in this MSDS is taken from sources believed to be accurate as of the date hereof; however Epoxy Systems Inc. makes no expressed or implied warranty in respect to the accuracy of the information or the suitability of the recommendations, and assumes no liabilities to any user thereof.

Revision Date: 10/29/2015