1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: Polyweld-EPX\textsuperscript{Cl} Part B

Other Means of Identification
SDS #: F3475 B

Recommended Use: Bonding agent for repairs to concrete and steel
Restrictions on Use: No Data

Supplier of the Safety Data Sheet including Address:
ChemMasters Inc.
300 Edwards Street
Madison, OH 44057

Telephone Numbers
Company Phone Number: Phone: 800-486-7866, 440-428-2105
Fax: 440-428-7091

Emergency Telephone: ChemTrec 800-424-9300 (United States & Canada), International Call: 1-703-527-3887

2. HAZARDS IDENTIFICATION

Emergency Overview
OSHA Hazards:
Harmful if swallowed, Causes skin irritation, May cause allergic skin reaction,
Causes serious eye irritation. Toxic to aquatic life with long lasting effects.

GHS Classification:
Acute toxicity, Oral – Category 4
Skin Corrosion/Irritation: Category 2
Eye damage/eye irritation – Category 2A
Skin sensitization – Category 1
Hazardous to the Aquatic Environment – Long Term (Chronic) Hazards: Category 2
Specific Target Organ toxicity – single exposure: Category 3

Label Elements, including precautionary statements

Pictograms:

Signal Word: WARNING
Hazard Statements:
- H302 Harmful if swallowed
- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H319 Causes serious eye irritation.
- H335 May cause respiratory irritation.
- H411 Toxic to aquatic life with long lasting effects.

Precautionary Statement(s)

Prevention:
- P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
- P264 Wash hands and skin thoroughly after handling.
- P270 Do not eat, drink or smoke when using this product.
- P272 Contaminated work clothing should not be allowed out of the workplace.
- P273 Avoid release to the environment.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.

Response:
- 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 or attention.
- P301+P312 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.
- P302+P352 IF ON SKIN: Wash with plenty of soap and water.
- P333+P313 If skin irritation or rash occurs: Get medical advice or attention.
- P304+P340+P312 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell.
- P362+P364 Take off contaminated clothing and wash it before reuse.
- P391 Collect Spillage

Storage:
- P403+P233 Store in a well-ventilated place. Keep container tightly closed.

Disposal:
- P501 Dispose of contents/container in accordance with local/regional/national regulations.

3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS#</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bisphenol A, epichlorohydrin</td>
<td>25068-38-6</td>
<td>70-75%</td>
</tr>
<tr>
<td>2-ethyl hexyl Glycidyl Ether</td>
<td>2461-15-6</td>
<td>25-30%</td>
</tr>
</tbody>
</table>

Ingredients not listed on this safety data sheet are considered to be non-hazardous according to OSHA 1910.1200 or are not present above their cutoff levels.

4. FIRST AID MEASURES

First Aid Measures
General Advice: Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

Inhalation: IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell. If not breathing, give artificial respiration. Consult a physician.
**Eye Contact:** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**Ingestion:** IF SWALLOWED: Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water Call a POISON CENTER/doctor if you feel unwell.

**Skin Contact:** Wash off with soap and plenty of water. If skin irritation or rash occurs: Get medical advice or attention.

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### 5. FIRE-FIGHTING MEASURES

**Suitable Extinguishing Media**
Water spray, alcohol-resistant foam, dry chemical, or carbon dioxide

**Specific Hazards Arising from the Chemical**
In case of fire, toxic fumes might be formed.

**Hazardous Combustion Products**
Carbon dioxide and Carbon monoxide

**Protective Equipment and Precautions for Firefighters**
Wear self-contained breathing apparatus and full protective gear for firefighting.

**Further Information**
See Section 7 for safe handling and storage.

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### 6. ACCIDENTAL RELEASE MEASURES

**Personal Precautions, Protective Equipment and Emergency Procedures**
In case of spill wear appropriate personal protective equipment during any cleanup and response activities. Avoid skin contact and inhalation.

**Environmental Precautions**
Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

**Methods and Material for Containment and Cleaning Up**
Dike and contain spill with inert absorbent materials. Soak up with inert material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

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### 7. HANDLING AND STORAGE

**Precautions for Safe Handling**
Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.

**Conditions for Safe Storage, Including any Incompatibilities**
**General information:** Store in cool place. Keep container tightly closed in a dry and well ventilated place. Keep away from heat (<95 degrees F/<35 degrees C). Containers which are opened must be carefully resealed and kept upright to prevent leakage.

**Safe Storage:** No Additional Data

**Incompatibilities:** None known
8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines
Component Exposure Limits
This material contains no substances with occupational exposure limit values.

Appropriate Engineering Controls
Local Ventilation: Recommended
General Ventilation: Recommended

Individual Protection Measures, such as Personal Protective Equipment

Eye/Face Protection: Use proper protection – Safety Glasses as a minimum

Skin and Body Protection: Wash at mealtime and end of shift. Skin contact must be avoided by using impervious protective clothing (gloves, aprons, boots, etc.). Use chemical protective gloves as a minimum and wash skin promptly upon any skin contact.

Respiratory Protection: Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines. Where concentrations are above recommended limits or are unknown, appropriate respiratory protection should be worn. Follow OSHA respirator regulations (29 CFR 1910.134) and use NIOSH/MSHA approved respirators.

General Hygiene Considerations
Handle in accordance with good industrial hygiene and safety practice. Wash hands before & after breaks and work day.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on Basic Physical and Chemical Properties

Physical State
Appearance: Liquid Odor: Mild
Color: Clear Odor threshold: No Data

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
<th>Remarks – Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vapor Pressure</td>
<td>Not Available</td>
<td></td>
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<tr>
<td>Vapor Density</td>
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<tr>
<td>pH</td>
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<td></td>
</tr>
<tr>
<td>Melting/Freezing Point</td>
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<tr>
<td>Solubility</td>
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<tr>
<td>Evaporation Rate</td>
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</tr>
<tr>
<td>Flash Point</td>
<td>&gt;207 Degrees F (&gt;97 Degrees C)</td>
<td>Closed Cup</td>
</tr>
<tr>
<td>Flammability Limits</td>
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</tr>
<tr>
<td>Flammability (Solid, gas)</td>
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<tr>
<td>Auto Ignition Temperature</td>
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</tr>
<tr>
<td>Initial Boiling Point/Boiling Range</td>
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<td></td>
</tr>
<tr>
<td>Decomposition Temperature</td>
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<td></td>
</tr>
<tr>
<td>Viscosity</td>
<td>Not Available</td>
<td></td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>1.07</td>
<td>Density: 8.97 lb./gal. +/- 0.1</td>
</tr>
</tbody>
</table>

Polyweld EPX-ci Part B, Page 4/7
10. STABILITY AND REACTIVITY

**Chemical Stability:**
Stable

**Possibility of Hazardous Reactions:**
No Data Available.

**Conditions to Avoid:**
Store away from heat.

**Incompatible Materials:**
Acids, Amines, Bases and Oxidizing Agents.

**Hazardous Decomposition Products**
Carbon dioxides, Carbon monoxide, Chloro hydrogen

11. TOXICOLOGICAL INFORMATION

**Likely Routes of Exposure:** Inhalation, Skin Contact, Eye Contact, Ingestion

**Symptoms of Exposure:**
- H302 Harmful if swallowed
- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H319 Causes serious eye irritation.
- H335 May cause respiratory irritation.

**Numerical measures of toxicity:**
- Acute Toxicity – Oral
  - LD50 1,000 – 5000 mg/Kg Rat
  - LD50 500 – 2000 mg/Kg Mouse
- Acute Toxicity – Dermal
  - LD50 > 20,000 – 20,000 mg/Kg Rat
  - LD50 > 20,000 mg/Kg Rabbit
  - LD50 1,270 mg/Kg Mouse.

  Acute Toxicity – Inhalation No Data

**Delayed and Immediate Effects as well as Chronic Effects from Short and Long-Term Exposure**

| Carcinogenicity: IARC, ACGIH, NTP, OSHA |
| No components of this product present at levels greater than or equal to 0.1% is identifies as a carcinogen or potential carcinogen. |

**Specific target organ toxicity:** Single exposure – Category 3, Respiratory System, May cause respiratory irritation.
12. ECOLOGICAL INFORMATION

**Eco toxicity:**
- Fish: LC50 1.41 mg/l 96 hr. Oryzias latipes
- Crustacea: EC50 1.7 mg/l 48 hr.
- Aquatic Plants: No Data

**Persistence and Degradability:** No Data Available

**Bioaccumulation:**
- Concentration: log Kow 2.281 (estimate)
- BCF 0.56 – 0.67
- Bio Resolvability: 0(%) 28 day; Non-degradable

**Mobility:** No Data Available

**Other Adverse Effects:** No Data Available

13. DISPOSAL CONSIDERATIONS

**Waste Treatment Methods**

**Disposal of Wastes:** This product is not expected to be a hazardous waste under RCRA. It is however toxic to aquatic life. Dispose of in conformance with all federal, state and local regulations.

**Contaminated Packaging:** Dispose of as unused material.

14. TRANSPORT INFORMATION

**DOT:** Not Regulated

**IMDG:** UN3082, Environmentally Hazardous Substance, Liquid, N.O.S. (Diglycidyl Ether of Bisphenol A), 9, III (Special Precaution: F-A, S-F)

**Marine Pollutant:** Yes

**IATA:** UN3082, Environmentally Hazardous Substance, Liquid, N.O.S. (Diglycidyl Ether of Bisphenol A), 9, III

**Cargo Packing Instruction:** 964

**Passenger Packing Instruction:** 964

15. REGULATORY INFORMATION

**International Inventories**

**TSCA:** All chemical substances in this material are included on or exempted from listing on the TSCA Inventory of Chemical Substances.

**US Federal Regulations**

**SARA 302:** None Known

**SARA 311/312 Hazard Categories:** Acute Health Hazard

**SARA 313 Hazard Categories:** None Known

**CWA (Clean Water Act):** None Known

**Supplemental State Compliance Information**

**California:**
Warning: This product does not contain any chemical(s) listed by the State of California under the Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65) as being known to cause cancer, birth defects or other reproductive harm.
New Jersey Right To Know:
CAS Number  Component Name
2461-15-6     2-ethyl hexyl Glycidyl Ether

Pennsylvania Right To Know:
CAS Number  Component Name
2461-15-6     2-ethyl hexyl Glycidyl Ether

**U.S. EPA Label Information:** No Data

**Canada**
WHMIS Classification: Class D2B (Toxic)
Symbol: Stylized T

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**16. OTHER INFORMATION**

**HMIS Classification:**
- Health hazard: 2
- Flammability: 0
- Physical Hazards: 0

**NFPA Rating:**
- Health hazard: 2
- Fire: 0
- Reactivity Hazard: 0

**Issuance Date:** September 18, 2014
**Revision Date:** September 18, 2014
**Revision Note:** Updated Section 2
**Date of Previous Version:** June 13, 2014

**Disclaimer**
The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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End of Safety Data Sheet