MATERIAL SAFETY DATA SHEET

SECTION I

Product Name: POWER-POXY All-Purpose Adhesive

Chemical Name & Synonyms: Epoxy Resin Mixture

Manufacturer's Name: POWER POXY ADHESIVES, INC.

Street Address: 2445 S. 179th STREET

City, State, Zip: NEW BERLIN, WI 53146

Emergency Telephone: 800-248-7699

Contact: Bryan Clark

D.O.T. Proper Shipping Name (49 CFR 172.101): Non Hazardous


HMIS Hazard Ratings: Health: 2 Flammability: 1 Reactivity: 0

CAS No.: Mixture

SECTION II - HAZARDOUS INGREDIENTS

Hazardous Substances

<table>
<thead>
<tr>
<th>Substance Description</th>
<th>WT. %</th>
<th>TLV(Units)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bisphenol A Diglycidyl Ether Resin</td>
<td>45-55</td>
<td>N/E</td>
</tr>
</tbody>
</table>

SECTION III - PHYSICAL DATA

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance and Odor</td>
<td>White Paste, Almost Odorless</td>
</tr>
<tr>
<td>Boiling Point (°F)</td>
<td>&gt;325°F</td>
</tr>
<tr>
<td>% Volatile by Volume</td>
<td>0</td>
</tr>
<tr>
<td>Vapor Pressure (mm Hg)</td>
<td>&lt;3</td>
</tr>
<tr>
<td>Solubility in Water</td>
<td>N/D</td>
</tr>
<tr>
<td>Specific Gravity (H₂O=1)</td>
<td>1.6</td>
</tr>
<tr>
<td>Vapor Density (Air=1)</td>
<td>&gt;1</td>
</tr>
</tbody>
</table>

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flash Point</td>
<td>490°F Closed Cup</td>
</tr>
<tr>
<td>Extinguishing Media</td>
<td>CO₂, Foam, Dry Chemical, Water Spray</td>
</tr>
<tr>
<td>Special Fire Fighting Procedures</td>
<td>Self-Contained Breathing Apparatus</td>
</tr>
<tr>
<td>Unusual Fire &amp; Explosion Hazards</td>
<td>Combustion Products May Be Toxic</td>
</tr>
</tbody>
</table>
SECTION V - REACTIVITY DATA

Stability: Stable
Conditions to Avoid: Heat, Strong Oxidizing Agents, Acids and Bases
Incompatibility: Strong Oxidizing Agents
Hazardous Decomposition Products: Carbon Monoxide, Carbon Dioxide,
Hazardous Polymerization: Will Not Occur

SECTION VI - HEALTH HAZARD DATA

Primary Routes of Exposure: Dermal
Acute Oral LD 50: >10,000 Mg/Kg
Skin Irritation: Moderate Irritation
Eye Irritation: Slight Irritation
Sensitization: Moderate Sensitizer
Overexposure Effects: Irritation, Sensitization and Dermatitis
Medical Conditions Aggravated By Exposure: Allergy, Eczema or Skin Conditions

Emergency and First Aid Procedures:

Eyes: Immediately flush eyes with water for at least 15 minutes. Call a physician.
Skin: Promptly wash with mild soap and water.
Ingestion: If conscious, give large quantities of water. Get medical attention.
Inhalation: Remove to fresh air. Give oxygen if breathing is difficult.
Other: Promptly remove wet contaminated non-impervious clothing. Wash before reuse.

SECTION VII - SPILL OR LEAK PROCEDURES

Spill Procedures: Avoid all personal contact. Take up with absorbent material. Shovel into closable containers. Flush contaminated area with water.

Waste Disposal Method: Dispose in accordance with Federal, State, and Local Regulations.
SECTION VIII - SPECIAL PROTECTION INFORMATION

Ventilation: Good general mechanical ventilation and local exhaust.
Protective Gloves: Wear impervious gloves.
Eye Protection: Wear splash-proof chemical goggles.
Respiratory Protection: Organic chemical cartridge respirator, if needed.
Other Protective Equipment: Wear appropriate equipment to prevent eye or skin contact. Use of a barrier cream is recommended.

SECTION IX - SPECIAL PRECAUTIONS

Handling, Shipping and Storing Precautions:

WARNING! Causes Irritation - May Cause Allergic Skin Reaction.
Avoid contact with eyes, skin or clothing. Avoid breathing vapor, mist, or spray. Use good ventilation. Wash after handling. Store in cool, dry area in closed containers.

SECTION X - OTHER

Other: The health and safety effects information presented is that available to POWER POXY ADHESIVES as of the date published. POWER POXY makes no representation of the information's completeness or accuracy. POWER POXY ADHESIVES expects those persons receiving this MSDS will exercise their independent judgement, or consult with a competent health/safety professional, in determining this material's appropriateness for a specific use and type of personal protection equipment deemed necessary for the given use and the available engineering controls.

Date: 08/28/91
MATERIAL SAFETY DATA SHEET

SECTION I

Product Name: POWER POXY All-Purpose Adhesive
Chemical Name & Synonyms: Epoxy Curing Agent
Manufacturer's Name: POWER POXY ADHESIVES, INC.
Street Address: 2445 S. 179TH STREET
City, State, Zip: NEW BERLIN, WI 53146
Emergency Telephone: 800-248-7699
Contact: Bryan Clark

D.O.T. Proper Shipping Name (49 CFR 172.101):
Alkaline Corrosive Liquid, NOS
D.O.T. Hazard Class (49 CFR 172.101):
Corrosive, UN 1760

HMIS Hazard Ratings: Health: 3 Flammability: 1 Reactivity: 0

CAS No. Mixture

SECTION II - HAZARDOUS INGREDIENTS

<table>
<thead>
<tr>
<th>Hazardous Substances</th>
<th>WT. %</th>
<th>TLV (Units)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aminoethylpiperazine</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CAS No.: 000140-31-0</td>
<td>5-10</td>
<td>N/E</td>
</tr>
<tr>
<td>Alkyl Phenol</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CAS No.: 25154-52-3</td>
<td>20-30</td>
<td>N/E</td>
</tr>
<tr>
<td>Amido Amines</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CAS No.: 68953-36-6</td>
<td>5-10</td>
<td>N/E</td>
</tr>
</tbody>
</table>

SECTION III - PHYSICAL DATA

Appearance and Odor: Yellow Paste, Ammonia-Like Odor
Boiling Point (°F): 500°F
% Volatile by Volume: Nil
Vapor Pressure (mm hg): <1
Solubility in Water: Slight
Specific Gravity (H2O=1): 1.6
Vapor Density (Air=1): >1
SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point: >200°F Closed Cup
Extinguishing Media: CO₂, Foam, Dry Chemical, Water Spray
Special Fire Fighting Procedures: Use Self-Contained Breathing Apparatus. Cool fire exposed containers with water.

Unusual Fire & Explosion Hazards: None

SECTION V - REACTIVITY DATA

Stability: Stable
Conditions to Avoid: Avoid contact with copper
Incompatibility: Strong Oxidizers, Acids

Hazardous Decomposition Products: Ammonia, Carbon Monoxide, Oxides of Nitrogen, Carbon Dioxide

Hazardous Polymerization: Will Not Occur

SECTION VI - HEALTH HAZARD DATA

Primary Routes of Exposure: Dermal, Inhalation
Acute Oral LD₅₀: >1,000 Mg/Kg - Slightly Toxic
Skin Irritation: Corrosive
Eye Irritation: Extremely Irritating
Sensitization: Strong
Overexposure Effects: Irritation and Sensitization of Skin and Eyes.

Medical Conditions Aggravated by Exposure: Allergy, Eczema or Skin Conditions, Respiratory Asthma.

Emergency and First Aid Procedures:

Eyes: Flush thoroughly with water for at least 15 minutes. Get immediate medical attention.
Skin: Promptly wash with mild soap and water.
Ingestion: Do not induce vomiting. Give large quantities of water. Call a physician.
Inhalation: Remove to fresh air. Give oxygen if breathing is difficult.
Other: Promptly remove wet contaminated non-impervious clothing. Wash before reuse.
SECTION VII - SPILL OR LEAK PROCEDURES

Spill Procedures: Avoid all personal contact. Contain spill if possible. Wipe up or absorb with suitable material and shovel up. Flush contaminated area with water.

Waste Disposal Method: Dispose in accordance with Federal, State, and Local Regulations.

SECTION VIII - SPECIAL PROTECTION INFORMATION

Ventilation: Good general mechanical ventilation and local exhaust.

Protective Gloves: Wear impervious gloves.

Eye Protection: Chemical type goggles with face shield.

Respiratory Protection: Organic chemical cartridge respirator, if needed.

Other Protective Equipment: When handling large quantities subject to splashes, impervious suits, gloves and boots should be worn. Use of barrier cream is recommended.

SECTION IX - SPECIAL PRECAUTIONS

Handling, Shipping and Storing Precautions:

DANGER! Causes severe eye and skin burns. Harmful if swallowed. May cause allergic skin and respiratory reaction.

Avoid contact with eyes, skin or clothing. Avoid breathing vapor, mist, or spray. Use only in well-ventilated areas. Wash thoroughly after handling. Store in cool, dry area in closed containers.
SECTION X - OTHER

Other: The health and safety effects information presented is that available to POWER POXY ADHESIVES as of the date published. POWER POXY makes no representation of the information's completeness or accuracy. POWER POXY ADHESIVES expects those persons receiving this MSDS will exercise their independent judgement, or consult with a competent health/safety professional, in determining this material's appropriateness for a specific use and type of personal protection equipment deemed necessary for the given use and the available engineering controls.

Date: 08/28/91