**IDENTITY:** Epoxy.com Product #431 “A” Component

**SECTION I**  
**Manufacturer:** Epoxy Systems, Inc.  
**Address:** 20774 West Pennsylvania Ave  
**Emergency Number:** 1-800-633-8253 PERS  
**Telephone Number:** 352-489-1666  
**Dunnellon, FL  34431**  
**Date Prepared:** 12/2008

**SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION**

<table>
<thead>
<tr>
<th>Hazardous Components</th>
<th>CAS #</th>
<th>OSHA PEL</th>
<th>ACHIH</th>
<th>TLV</th>
<th>Hazard Limit</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Polyether Polyol</td>
<td>Trade Secret</td>
<td>N/E</td>
<td>N/E</td>
<td>N/E</td>
<td>N/E</td>
<td></td>
</tr>
</tbody>
</table>

**SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS**

- **Boiling Point:** N/A  
- **Specific Gravity (H₂O = 1):** 1.05  
- **Vapor Pressure (mm Hg.):** N/A  
- **Vapor Density (AIR = 1):** N/A  
- **Melting Point:** N/A  
- **Evaporation Rate:** N/A  
- **Solubility in Water:** Soluble (Butyl Acetate = 1)  
- **Appearance and Odor:** Brownish liquid, low odor

**SECTION IV - FIRE AND EXPLOSION HAZARD DATA**

- **Flash Point (Method Used):** >200º F PMCC  
- **Flammable Limits:** LEL N/A UEL N/A

- **Extinguishing Media:** Foam, water fog, CO₂, dry chemical  
- **Special Fire Fighting Procedures:** Fire-fighters should wear self containing breathing apparatus.  
- **Unusual Fire and Explosion Hazards:** none

**SECTION V - REACTIVITY DATA**

- **Stability:** Stable  
- **Incompatibility:** None known  
- **Hazardous Decomposition or Byproducts:** CO, CO₂  
- **Hazardous Polymerization:** Will not occur  
- **Conditions to Avoid:**

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Epoxy.com Product #431 “A” - cont
SECTION VI - HEALTH HAZARD DATA

Route(s) of Entry: 
Inhalation? NO  Skin? No  Ingestion? No

Health Hazards (Acute and Chronic): Low hazard


Signs and Symptoms of Exposure: May cause slight skin or eye irritation

Medical Conditions Generally Aggravated by Exposure: None known

Emergency and First Aid Procedures: Eyes: Flush with flowing water at least 15 minutes. Skin: Wash thoroughly with soap and water. Ingestion: induce vomiting.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to Be Taken in Case Material Is Released or Spilled: Not regulated. Small quantities, flush with water. Contain large spills and collect for disposal.

Waste Disposal Method: Incinerate or bury in licensed facility.

Precautions to Be Taken in Handling and Storing: Keep containers closed. Store in cool area.

Other Precautions: Avoid contact skin. Wash thoroughly after handling.

SECTION VIII - CONTROL MEASURES

Respiratory Protection: None for “A” component.

Ventilation: Mechanical (General): Mechanical exhaust

Protective Gloves: Rubber or plastic  Eye Protection: Safety glasses

Other Protective Clothing or Equipment:

Work/Hygienic Practices: Follow practices of good industrial hygiene.

N/A = Not Applicable  N/D = Not Determined  N/E = Not Established
IDENTITY: Epoxy.com Product #431 “B” Component

SECTION I
Manufacturer: Epoxy Systems, Inc.  Emergency Number: 1-800-633-8253PERS
Address: 20774 West Pennsylvania Ave Telephone Number: 352-489-1666
Dunnellon, FL  34431 Date Prepared: 12/2008

SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION
Hazardous Components CAS # OSHA PEL ACHIH TLV Hazard Limits %
Polymeric Diphenylmethane Diisocyanate 9016-87-9 0.02 ppm 0.005 ppm
2 – Propanol, 1-chloro-,phosphate 13674-84-5 N/D N/D

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS
Boiling Point: 406º Specific Gravity (H2O =1): 1.21
Vapor Pressure (mm Hg.): <10^5 mmHg Melting Point: 32º F
Vapor Density (AIR = 1): N/E Evaporation Rate: N/A
Solubility in Water: Reacts slowly with water.
Appearance and Odor: Brown liquid, low odor

SECTION IV - FIRE AND EXPLOSION HAZARD DATA
Flash Point (Method Used): > 395º F Flammable Limits: LEL N/A UEL N/A
Extinguishing Media: Dry chemical, Water fog, CO2.
Special Fire Fighting Procedures: Self contained breathing apparatus should be worn. During a fire, MDI vapors and other irritating highly toxic gases may be generated by thermal decomposition.
Unusual Fire and Explosion Hazards: None

SECTION V - REACTIVITY DATA
Stability: Stable Conditions to Avoid:
Incompatibility: Water, oxidizers
Hazardous Decomposition or Byproducts: Hydrogen chloride, carbon monoxide
Hazardous Polymerization: Will not occur Conditions to Avoid:

(OVER)
Epoxy.com Product #431 “B” cont

SECTION VI - HEALTH HAZARD DATA

Route(s) of Entry:  Inhalation? Yes  Skin? Yes  Ingestion? Yes

Health Hazards (Acute and Chronic): Chronic exposure may lead to skin irritation. Allergic sensitization of the respiratory tract may occur producing shortness of breath and coughing. Skin LD 50 is >2000 mg per kg in rabbits. Oral LD 50 is >10,000 mg per kg in rats.

Health Hazards: (Acute and Chronic): Chronic exposure may lead to skin irritation. Allergic sensitization of the respiratory tract may occur producing shortness of breath and coughing. Skin LD 50 is >2000 mg per kg in rabbits. Oral LD 50 is >10,000 mg per kg in rats.


Signs and Symptoms of Exposure:  Mild respiratory irritation, drowsiness. Eye contact may cause burning and irritation. Skin irritation.

Medical Conditions Generally Aggravated by Exposure:  Asthmatic reactions and allergic respiratory reactions.

Emergency and First Aid Procedures:  Eyes: immediately flush with large amounts of water. Skin: Wash thoroughly with soap and water. Inhalation: move victim to fresh air.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to Be Taken in Case Material Is Released or Spilled:  Ventilate area well. Remove heat sources. Clean up with inert absorbent.

Waste Disposal Method:  Incinerate in approved manner in accordance with Federal, State and Local regulations.

Precautions to Be Taken in Handling and Storing:  Keep in cool dry area. Keep container closed.

Other Precautions:  For industrial use only. Wash thoroughly after handling.

SECTION VIII - CONTROL MEASURES

Respiratory Protection:  NIOSH approved organic cartridge respirator.

Ventilation:  Mechanical (General): Good general ventilation.

Protective Gloves:  Rubber gloves  Eye Protection:  Safety glasses

Other Protective Clothing or Equipment:

Work/Hygienic Practices:  Follow practices of good industrial hygiene.