Material Safety Data Sheet
Material Name: Super Fast Epoxy
MSDS ID: ELM-001
Issue Date 02/16/11
Revision 1.0000

Other Sections:
02 03 04 05 06 07 08 09 10 11 12 13 14 15 16

Section 1 - Chemical Product and Company Identification

Part Number: E1009, 61009

Chemical Name: Super Fast Epoxy

Manufacturer Information
Elmer's Products, Inc.
1 Easton Oval
Columbus, OH 43219
Emergency # Poison Control Center: 1-888-516-2502

General Comments
For additional product information, access our website at www.elmers.com or call 1-888-435-6377. To place an order, call 1-800-848-9400.

Product Use:
Adhesive

Section 2 - Hazards Identification

Emergency Overview
This material may cause respiratory tract irritation, skin irritation, eye irritation, and allergic reactions.

Potential Health Effects: Inhalation
Short Term Exposure: irritation, cough
Long Term Exposure: irritation, lung damage

Potential Health Effects: Skin
Short Term Exposure: irritation, allergic reactions
Long Term Exposure: irritation, allergic reactions

Potential Health Effects: Eyes
Short Term Exposure: irritation
Long Term Exposure: irritation

Potential Health Effects: Ingestion
Short Term Exposure: irritation, fatigue, muscle weakness, difficulty breathing, allergic reactions
Long Term Exposure: irritation

Section 3 - Composition / Information on Ingredients

<table>
<thead>
<tr>
<th>CAS #</th>
<th>Component</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>25085-99-8</td>
<td>Oxirane, 2,2'-4-butyldenebisphenyleneoxymethylene (DGEBA)</td>
<td>&gt;1</td>
</tr>
<tr>
<td></td>
<td>Trade Secret</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Mercaptan Polymer</td>
<td>&gt;1</td>
</tr>
<tr>
<td>90-72-2</td>
<td>2,4,6-Tri(dimethylaminomethyl)phenol</td>
<td>&gt;1</td>
</tr>
</tbody>
</table>

Component Information/Information on Non-Hazardous Components
This product is considered hazardous under 29 CFR 1910.1200 (Hazard Communication).

Section 4 - First Aid Measures

First Aid: Inhalation
If adverse effects occur, remove to uncontaminated area. Give artificial respiration if not breathing. Get immediate medical attention.

**First Aid: Skin**
If bonding occurs, immerse the bonded surfaces in warm soapy water. Peel or roll the surfaces apart using a blunt edge, such as a spatula or spoon handle. Do not pull surfaces apart with a direct opposing action. If burns occur, treat as thermal burns. Get medical attention, if needed.

**First Aid: Eyes**
If bonding to tissues occurs, wash with large amounts of warm water. Cover both eyes with sterile, dry bandages. The eye will open without further action. Do not pull surfaces apart with a direct opposing action. If burns occur, treat as thermal burns. Get medical attention.

**First Aid: Ingestion**
If a large amount is swallowed, get medical attention.

**First Aid: Notes to Physician**
For skin: mineral oil, vegetable oil, or petroleum jelly may help soften the bonding between skin surfaces. For skin contact, consider acetone or nitromethane.

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### Section 5 - Fire Fighting Measures

**General Fire Hazards**
See Section 9 for Flammability Properties.
Slight fire hazard.

**Hazardous Combustion Products**
Oxides of carbon, oxides of nitrogen

**Extinguishing Media**
Carbon dioxide, regular dry chemical, regular foam, water

**Fire Fighting Equipment/Instructions**
Wear protective clothing and equipment suitable for the surrounding fire, including helmet, face mask, and self-contained breathing apparatus. Move container from fire area if it can be done without risk. Do not scatter spilled material with high-pressure water streams. Dike for later disposal. Use extinguishing agents appropriate for surrounding fire. Avoid inhalation of material or combustion by-products. Stay upwind and keep out of low areas.

**NFPA Ratings:**
- **Health:** 2
- **Fire:** 1
- **Reactivity:** 0

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

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### Section 6 - Accidental Release Measures

**Containment Procedures**
Stop leak if possible without personal risk.

**Clean-Up Procedures**
Wear appropriate personal protective equipment (impervious gloves). Absorb spill with sand or other non-combustible material. Collect spilled material in appropriate container for disposal.

**Evacuation Procedures**
Keep unnecessary people away, isolate hazard area and deny entry.

**Special Procedures**
Regulations vary. All waste material should be packaged, labeled, transported, and disposed of in accordance with federal and local regulations. Consult local authorities before disposal.

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### Section 7 - Handling and Storage

**Handling Procedures**
Avoid inhaling vapors or mists. Prevent contact with skin and eyes. Wash thoroughly after handling.

**Storage Procedures**
Store in accordance with all current regulations and standards. Shelf life is 12 months in a closed container. Keep separated from incompatible substances.

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### Section 8 - Exposure Controls / Personal Protection

**A: Component Exposure Limits**
ACGIH, OSHA, and NIOSH have not developed exposure limits for any of this product's components.
B: Exposure Limits for Chemicals which may be generated during processing
This material has no components listed.

Engineering Controls
Provide local exhaust ventilation system. Ensure compliance with applicable exposure limits.

PERSONAL PROTECTIVE EQUIPMENT

Personal Protective Equipment: Eyes/Face
Wear splash resistant safety goggles with a faceshield. Provide an emergency eye wash fountain and quick drench shower in the immediate work area.

Personal Protective Equipment: Skin
Wear appropriate chemical resistant clothing and chemical resistant gloves.

Personal Protective Equipment: Respiratory
Under conditions of frequent use or heavy exposure, respiratory protection may be needed. Respiratory protection is ranked in order from minimum to maximum. Consider warning properties before use.
Any air-purifying half-mask respirator equipped with organic vapor cartridge(s) in combination with an N95, R95, or P95 filter. The following filters may also be used: N99, P99, N100, R100 or P100.
Any air-purifying full-facepiece respirator (gas mask) with a chin-style, front-mounted or back-mounted organic vapor canister having an N100, R100, or P100 filter.
Any powered, air-purifying respirator with a tight-fitting facepiece, organic vapor cartridge(s) and high-efficiency particulate filter(s).
Any supplied-air respirator with a full facepiece that is operated in a pressure-demand or other positive-pressure mode.

For Unknown Concentrations or Immediately Dangerous to Life or Health -
Any supplied-air respirator with a full facepiece that is operated in a pressure-demand or other positive-pressure mode in combination with an auxiliary self-contained breathing apparatus operated in pressure-demand or other positive-pressure mode.
Any self-contained breathing apparatus that has a full facepiece and is operated in a pressure-demand or other positive-pressure mode.

Personal Protective Equipment: General
Use good hygiene practices when handling this material including changing and laundering work clothes after use. A safety shower should be available.

### Section 9 - Physical & Chemical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Light amber</td>
</tr>
<tr>
<td>Odor</td>
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</tr>
<tr>
<td>Physical State</td>
<td>Liquid</td>
</tr>
<tr>
<td>pH</td>
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</tr>
<tr>
<td>Vapor Pressure</td>
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</tr>
<tr>
<td>Vapor Density</td>
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</tr>
<tr>
<td>Boiling Point</td>
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</tr>
<tr>
<td>Melting Point</td>
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<tr>
<td>Solubility (H2O)</td>
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</tr>
<tr>
<td>Specific Gravity</td>
<td>1.21 @25 C</td>
</tr>
<tr>
<td>Evaporation Rate</td>
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<tr>
<td>Viscosity</td>
<td>14,000 cps @25 C</td>
</tr>
<tr>
<td>Octanol/H2O Coeff.</td>
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<tr>
<td>Flash Point</td>
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<tr>
<td>Flash Point Method</td>
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</tr>
<tr>
<td>Upper Flamm. Limit (UFL)</td>
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<tr>
<td>Lower Flamm. Limit (LFL)</td>
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<tr>
<td>Auto Ignition</td>
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</tr>
<tr>
<td>Decomposition Temp.</td>
<td>Not available</td>
</tr>
<tr>
<td>Odor Threshold</td>
<td>Not available</td>
</tr>
<tr>
<td>Shelf life</td>
<td>12 months (closed container) @25 C</td>
</tr>
</tbody>
</table>

### Section 10 - Chemical Stability & Reactivity Information

Chemical Stability
Stable at normal temperatures and pressure.

Chemical Stability: Conditions to Avoid
Avoid heat, flames, sparks and other sources of ignition. Avoid contact with incompatible materials.
**Incompatibility**
Acids, amines, bases, combustible materials, oxidizing materials

**Hazardous Decomposition**
Oxides of carbon, oxides of nitrogen

**Possibility of Hazardous Reactions**
Will not polymerize.

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**Section 11 - Toxicological Information**

**Acute Dose Effects**
Inhalation, skin, eye, and oral exposure may cause irritation. Exposure to skin may also cause allergic reactions.

**A: Component Analysis - LD50/LC50**
2,4,6-Tri(dimethylaminomethyl)phenol (90-72-2)
Oral LD50 Rat: 1000 mg/kg; Dermal LD50 Rat: 1280 mg/kg

**Carcinogenicity**
No information available for the mixture.

**A: Component Carcinogenicity**
None of this product's components are listed by ACGIH, IARC, OSHA, NIOSH, or NTP.

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**Section 12 - Ecological Information**

**Ecotoxicity**
No information available for the mixture.

**A: Component Analysis - Ecotoxicity - Aquatic Toxicity**
No ecotoxicity data are available for this product's components.

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**Section 13 - Disposal Considerations**

**US EPA Waste Number & Descriptions**
None known.

**A: Component Waste Numbers**
No EPA Waste Numbers are applicable for this product's components.

**Disposal Instructions**
Dispose in accordance with all applicable regulations. See Section 7 for Handling Procedures. See Section 8 for Personal Protective Equipment recommendations.

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**Section 14 - Transportation Information**

**US DOT Information**

**Shipping Name:** This product is not regulated as a hazardous material for transportation.

**Additional Info.:** No additional information.

**TDG Information**

**Shipping Name:** This product is not regulated as a hazardous material for transportation.

**Additional Info.:** No additional information.

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**Section 15 - Regulatory Information**

**US Federal Regulations**
All the components of this substance are listed on or are exempt from the inventory.

**A: Component Analysis**
None of this products components are listed under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65), or CERCLA (40 CFR 302.4).
Acute Health: Yes  Chronic Health: Yes  Fire: No  Pressure: No  Reactive: No

B: TSCA 12(b) Export Notification
Not listed.

State Regulations
Other state regulations may apply. Check individual state requirements.

A: Component Analysis - State
None of this product's components are listed on the state lists from CA, MA, MN, NJ, PA, or RI.

A: Component Analysis - WHMIS IDL
No components are listed in the WHMIS IDL.

Additional Regulatory Information
No additional information available.

A: Component Analysis - Inventory

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<tr>
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<th>CAS #</th>
<th>TSCA</th>
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<tbody>
<tr>
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<td>2,4,6-Tri(dimethylaminomethyl)phenol</td>
<td>90-72-2</td>
<td>Yes</td>
</tr>
</tbody>
</table>

Section 16 - Other Information

Other Information
No additional information.

MSDS History
New MSDS: 3/19/09

Key/Legend
ACGIH = American Conference of Governmental Industrial Hygienists; ADG = Australian Code for the Transport of Dangerous Goods by Road and Rail; ADR/RID = European Agreement of Dangerous Goods by Road/Rail; AS = Standards Australia; DFG = Deutsche Forschungsgemeinschaft; DOT = Department of Transportation; DSL = Domestic Substances List; EEC = European Economic Community; EINECS = European Inventory of Existing Commercial Chemical Substances; ELINCS = European List of Notified Chemical Substances; EU = European Union; HMIS = Hazardous Materials Identification System; IARC = International Agency for Research on Cancer; IMO = International Maritime Organization; IATA = International Air Transport Association; MAK = Maximum Concentration Value in the Workplace; NDSL = Non-Domestic Substances List; NFPA = National Fire Protection Association; NOHSC = National Occupational Health & Safety Commission; NTP = National Toxicology Program; STEL = Short-term Exposure Limit; TDG = Transportation of Dangerous Goods; TLV = Threshold Limit Value; TSCA = Toxic Substances Control Act; TWA = Time Weighted Average

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