1. PRODUCT AND COMPANY IDENTIFICATION

Product name: Epoxy Putty
IDH number: 431348, 1050317
Product Type: Epoxy Putty

2. COMPOSITION/INFORMATION ON INGREDIENTS

Glycidyl ethers of bisphenol A resins 25068-38-6 5-10
Zinc sulfide 1314-98-3 3-7
Diglycidyl ethers of bisphenol A resins 028064-14-4 1-5
Polymeric phenolic amine 32610-77-8 1-5
Tri (dimethylaminomethyl) Phenol 90-72-2 0.1-1.0

*** All ingredients in this product are listed in the T.S.C.A. inventory. Refer to Section 8 for occupational exposure limits.

3. HAZARDS IDENTIFICATION

****EMERGENCY OVERVIEW****

PHYSICAL STATE:Putty COLOR:Green/White ODOR: Amine. Fishy
Solubility (in water): Insoluble in water Vapor Density: Non Volatile
% Volatile Weight: 0 % % Volatile: < 1.0% VOC: < 1.0% Specific Gravity: 1.9

Note: The physical data represented above are typical values and should not be construed as a specification. For additional physical data, and details on use, please obtain a technical data sheet for this product.

Potential Health Effects

Eye:
Irritant and possible sensitizer.

Skin:
Irritant and possible sensitizer.

Ingestion:
Irritation of intestinal tract.

Inhalation:
Not expected to be to be harmful if inhaled.

Conditions Aggravated by Exposure:
None known
Chronic:
None known
Product name: Epoxy Putty
IDH number: 431348, 1050317
Product Type: Epoxy Putty

4. FIRST AID MEASURES

Eye:
Immediately flush eyes with plenty of water for at least 15 minutes.
Get medical attention.

Skin:
Immediately flush skin with plenty of water (using soap, if available).

Ingestion:
Seek medical advice.

Inhalation:
Remove to fresh air. If symptoms develop and persist, get medical attention.

Note to Physician:
None.

5. FIRE FIGHTING MEASURES

Flash Point:
Not Applicable

Extinguishing Media:
In case of fire, use water spray (fog), foam, dry chemicals, or CO2.

Flammable Limits:
Not available.

Special Fire Fighting Procedures:
Firefighters should wear positive pressure self-contained breathing apparatus (SCBA) and full turnout gear.

Hazardous Combustion Products:

Unusual Fire or Explosion Hazards:
None.

6. ACCIDENTAL RELEASE MEASURES

In Case of Spill or Leak:
Scrape up material and dispose of in accordance with federal, state and local regulations.
Product name: Epoxy Putty
IDH number: 431348, 1050317
Product Type: Epoxy Putty

7. HANDLING AND STORAGE

Handling:
Storage Temperature: < 90F (32C)
Storage Conditions: Store in cool, dry, well ventilated area.

Transfer: No special precautions are needed. Follow good manufacturing and handling practices.

Personal Hygiene: Wash thoroughly after handling, especially before eating, drinking, smoking, and using restroom facilities. Wash contaminated goggles, faceshield, and gloves. Professionally launder contaminated clothing before re-use.

Empty container precautions: Attention! This container can be hazardous when empty. Follow label cautions even after the container is empty since empty containers can contain product residues. Do not re-use empty containers for food, clothing, or products for human or animal consumption, or where skin contact can occur.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits

<table>
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<tr>
<th></th>
<th>ACGIH TLV</th>
<th>ACGIH TLV-C</th>
<th>ACGIH STEL</th>
<th>OSHA STEL</th>
<th>OSHA PEL</th>
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<td>N/est</td>
<td>N/est</td>
<td>N/est</td>
<td>N/est</td>
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<tr>
<td>Zinc sulfide</td>
<td>5.00 mg/M3</td>
<td>N/est</td>
<td>N/est</td>
<td>5.00 mg/M3</td>
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<tr>
<td>Diglycidyl ethers of bisphenol A resins</td>
<td>N/est</td>
<td>N/est</td>
<td>N/est</td>
<td>N/est</td>
<td>N/est</td>
</tr>
<tr>
<td>Polymeric phenolic amine</td>
<td>N/est</td>
<td>N/est</td>
<td>N/est</td>
<td>5.00 PPM</td>
<td>5.0 PPM</td>
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<tr>
<td>Tri (dimethylaminomethyl) phenol</td>
<td>5.00 PPM</td>
<td>N/est</td>
<td>N/est</td>
<td>N/est</td>
<td>N/est</td>
</tr>
</tbody>
</table>

Engineering Controls:
Not normally needed. General room ventilation is usually adequate. Use local ventilation if heated above 100°F (38°C).

Eye/Face Protection:
Safety glasses or goggles

Skin Protection:
Appropriate impervious gloves. Because a variety of protective gloves exist, consult glove manufacturer to determine the proper type for a specific operation.

Respiratory Protection:
General Mechanical: None required. Local Exhaust: Only if heated above 100°F
Product name: Epoxy Putty
IDH number: 431348, 1050317
Product Type: Epoxy Putty

9. PHYSICAL AND CHEMICAL PROPERTIES
Color: Green exterior; white interior
Material State: Putty
Odor: Amine. Fishy
Boiling point: Not applicable.
PH: Not applicable.
Solubility in Water: Insoluble
Specific gravity: 1.9
VOC: <1.0%
Vapor Pressure: Not available.
Vapor density: Non Volatile.
Evaporation Rate: Not Volatile.

10. STABILITY AND REACTIVITY
Stability:
Stable.
Conditions to Avoid:
None known
Incompatibility:
None known
Hazardous Polymerization:
Will not occur.
Hazardous Decomposition Products:
Aldehydes, acids, and oxides of carbon, nitrogen, and sulfur.

11. TOXICOLOGY INFORMATION
Product Toxicology Data:
Not available.

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<th>Ingredient</th>
<th>NTP</th>
<th>IARC</th>
<th>OSHA</th>
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<tbody>
<tr>
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<td>No</td>
</tr>
<tr>
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<td>No</td>
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</tr>
<tr>
<td>Epoxy resin</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Zinc sulfide</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Polymeric phenolic amine</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
</tbody>
</table>

Key to abbreviations:
IARC N/A - Not applicable.

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Health Effects/Target organs</th>
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<tr>
<td>Sodium aluminum borosilicate</td>
<td>Allergen. Respiratory.</td>
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<tr>
<td>Epoxy resin</td>
<td>Allergen. Irritant.</td>
</tr>
<tr>
<td>Epoxy resin</td>
<td>Allergen. Irritant.</td>
</tr>
</tbody>
</table>
Product name: Epoxy Putty
IDH number: 431348, 1050317
Product Type: Epoxy Putty

Zinc sulfide Blood. Immune system. Irritant.
Respiratory.

Polymeric phenolic amine No Records.

12. ECOLOGICAL INFORMATION

Ecological Information:
None known

13. DISPOSAL CONSIDERATIONS

Recommended Method of Disposal:
Dispose according to EPA and local governmental regulations.

EPA Hazardous Waste Number:
Not applicable.

14. TRANSPORTATION INFORMATION

Domestic Transportation (D.O.T. 49 CFR)-GROUND

Shipping Description:
Not regulated

Exceptions:
Not applicable.

International Air Transportation (ICAO/IATA)-
Shipping description:
Not regulated.

Exceptions:
Not applicable.

International Maritime Dangerous Goods (IMDG)-
Marine pollutant:
None known

15. REGULATORY INFORMATION

SARA Title III Section 313 Chemicals:
Zinc sulfide

SARA Title III Section 311/312:
Immediate health hazard

Toxic Substances Control Act:
All components are listed on or are exempt from listing on the Toxic
Substances Control Act Inventory.

TSCA Section 12(b) annual: None.
MATERIAL SAFETY DATA SHEET

Product name: Epoxy Putty
IDH number: 431348, 1050317
Product Type: Epoxy Putty

TSCA Section 12(b) one time:
None.
Canadian Inventory Status:
All components are listed on or are exempt from listing on the Canadian Domestic Substances List.
California Proposition 65:
This product contains no chemicals known to the state of California to cause cancer, birth defects, or other reproductive harm

16. OTHER INFORMATION

NFPA Code:

<table>
<thead>
<tr>
<th>Category</th>
<th>Value</th>
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<tbody>
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<tr>
<td>Flammability</td>
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<tr>
<td>Reactivity</td>
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</tr>
<tr>
<td>Special</td>
<td>None</td>
</tr>
</tbody>
</table>

HENKEL CONSUMER ADHESIVES
(24hr.) Phone: (440) 937-7000