SAFETY DATA SHEET
EPO-TEK H20E Part A

1. IDENTIFICATION

<table>
<thead>
<tr>
<th>Product Name</th>
<th>EPO-TEK H20E Part A</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product No.</td>
<td>EPO-TEK H20E Part A</td>
</tr>
<tr>
<td>Identification No.</td>
<td>UN3082</td>
</tr>
<tr>
<td>Identified uses</td>
<td>Adhesive.</td>
</tr>
<tr>
<td>Supplier</td>
<td>Epoxy Technology, Inc.</td>
</tr>
<tr>
<td></td>
<td>14 Fortune Drive</td>
</tr>
<tr>
<td></td>
<td>Billerica, MA 01821</td>
</tr>
<tr>
<td></td>
<td>USA</td>
</tr>
<tr>
<td></td>
<td><a href="http://www.epotek.com">www.epotek.com</a></td>
</tr>
<tr>
<td>Emergency Telephone</td>
<td>(978) 667-3805</td>
</tr>
<tr>
<td></td>
<td>(978) 663-9782</td>
</tr>
<tr>
<td></td>
<td>(800) 255-3924</td>
</tr>
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</table>

2. HAZARD(S) IDENTIFICATION

<table>
<thead>
<tr>
<th>Appearance</th>
<th>Paste</th>
</tr>
</thead>
<tbody>
<tr>
<td>Color</td>
<td>Silver.</td>
</tr>
<tr>
<td>Odor</td>
<td>Mild.</td>
</tr>
<tr>
<td>GHS Pictogram</td>
<td></td>
</tr>
<tr>
<td>Signal Word</td>
<td>Warning</td>
</tr>
<tr>
<td>Hazard Statements</td>
<td></td>
</tr>
<tr>
<td>H315</td>
<td>Causes skin irritation.</td>
</tr>
<tr>
<td>H317</td>
<td>May cause an allergic skin reaction.</td>
</tr>
<tr>
<td>H319</td>
<td>Causes serious eye irritation.</td>
</tr>
<tr>
<td>H411</td>
<td>Toxic to aquatic life with long lasting effects.</td>
</tr>
<tr>
<td>Precautionary</td>
<td>P273: Avoid release to the environment.</td>
</tr>
<tr>
<td>Statements</td>
<td>P280: Wear protective gloves/protective clothing/eye protection/face protection.</td>
</tr>
<tr>
<td>IF IN EYES:</td>
<td>P305+351+338: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</td>
</tr>
<tr>
<td>P313</td>
<td>Get medical advice/attention.</td>
</tr>
<tr>
<td>P501</td>
<td>Dispose of contents/container in accordance with local regulations.</td>
</tr>
<tr>
<td>Contains</td>
<td>Epoxy Phenol Novolac</td>
</tr>
<tr>
<td>GHS Classification</td>
<td>Physical and Chemical Hazards</td>
</tr>
<tr>
<td></td>
<td>Not classified.</td>
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<tr>
<td></td>
<td>Human health</td>
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<tr>
<td></td>
<td>Skin Irrit. 2 - H315;Eye Irrit. 2 - H319;Skin Sens. 1 - H317</td>
</tr>
<tr>
<td></td>
<td>Environment</td>
</tr>
<tr>
<td></td>
<td>Aquatic Chronic 2 - H411</td>
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</tbody>
</table>

Inhalation
May cause irritation to the respiratory system.

Ingestion
May cause discomfort if swallowed.

Skin Contact
May cause sensitization by skin contact. Irritating to skin.
Eye Contact
May cause severe irritation to eyes.

3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Epoxy Phenol Novolac</th>
<th>30-60%</th>
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<tr>
<td>CAS No.: 9003-36-5</td>
<td>EC No.:</td>
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<tr>
<td>GHS Classification</td>
<td>Skin Irr. 2 - H315; Eye Irrit. 2 - H319; Skin Sens. 1 - H317; Aquatic Chronic 2 - H411</td>
</tr>
</tbody>
</table>

4. FIRST-AID MEASURES

Description of first aid measures

Inhalation
Move the exposed person to fresh air at once. Rinse nose and mouth with water. Get medical attention if any discomfort continues.

Ingestion
NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS! Rinse mouth thoroughly. Get medical attention if any discomfort continues.

Skin Contact
Remove affected person from source of contamination. Remove contaminated clothing. Wash the skin immediately with soap and water. Get medical attention if any discomfort continues.

Eye Contact
Remove victim immediately from source of exposure. Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes and get medical attention.

Most important symptoms and effects, both acute and delayed

Inhalation
Inhalation of dusts during cutting, grinding or sanding of this product may cause irritation of the respiratory tract.

Ingestion
May cause discomfort if swallowed.

Skin Contact
May cause skin irritation/eczema.

Eye Contact
May cause severe irritation to eyes.

Indication of any immediate medical attention and special treatment needed

Notes To The Physician
Treat Symptomatically.

5. FIRE-FIGHTING MEASURES

Flash point (°C) 93

Extinguishing Media
Fire can be extinguished using: Dry chemicals. Foam. Water spray.

Hazardous combustion products
Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors.

Protective Equipment For Fire-Fighters
Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions
Wear protective clothing as described in Section 8 of this material safety data sheet.

Environmental Precautions
Avoid release to the environment. Do not discharge into drains, water courses or onto the ground.
Spill Clean Up Methods
Stop leak if possible without risk. Absorb in vermiculite, dry sand or earth and place into containers. Flush with plenty of water to clean spillage area. Do not contaminate water sources or sewer.
Reference to other sections
For personal protection, see section 8.

7. HANDLING AND STORAGE

Handling
Avoid spilling, skin and eye contact. Keep away from heat, sparks and open flame. Do not eat, drink or smoke when using the product. Provide good ventilation.

Storage
Store at moderate temperatures in dry, well-ventilated area. Keep away from heat, sparks and open flame. Avoid contact with oxidizing agents. Do not store in direct sunlight.

Storage Class
Chemical storage.

Specific end use(s)
The identified uses for this product are detailed in Section 1.2.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Protective Equipment

Process Conditions
Provide eyewash station.

Engineering Measures
Provide adequate ventilation.

Respiratory Equipment
If ventilation is insufficient, suitable respiratory protection must be provided.

Hand Protection
Wear protective gloves.

Eye Protection
Wear goggles/face shield.

Other Protection
Wear appropriate clothing to prevent any possibility of skin contact.

Hygiene Measures
DO NOT SMOKE IN WORK AREA! Wash hands at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke.

9. PHYSICAL AND CHEMICAL PROPERTIES

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<th>Property</th>
<th>Value</th>
</tr>
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<td>Paste</td>
</tr>
<tr>
<td>Color</td>
<td>Silver</td>
</tr>
<tr>
<td>Odor</td>
<td>Mild</td>
</tr>
</tbody>
</table>
10. STABILITY AND REACTIVITY

Reactivity
Violent reaction with: Strong oxidizing agents.

Stability
Stable under normal temperature conditions.

Hazardous Polymerisation
Will not polymerise.

Conditions To Avoid
Avoid contact with strong oxidizers. Avoid heat, flames and other sources of ignition.

Materials To Avoid
Strong oxidizing substances.

Hazardous Decomposition Products
Fire creates: Carbon monoxide (CO). Carbon dioxide (CO2).

11. TOXICOLOGICAL INFORMATION

Toxicological Information on Ingredients:

Toxic Dose 1 - LD 50
>5,000 mg/kg (oral, rat)

Epoxy Phenol Novolac (CAS: 9003-36-5)

12. ECOLOGICAL INFORMATION

Ecotoxicity
Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Acute Fish Toxicity
Very toxic to aquatic organisms.

Degradability
The product is biodegradable.

Bioaccumulative potential
The product contains potentially bio-accumulating substances.

Mobility:
Mobile.

Other adverse effects
Not known.

13. DISPOSAL CONSIDERATIONS

Disposal Methods
Dispose of waste and residues in accordance with local authority requirements.

14. TRANSPORT INFORMATION

<table>
<thead>
<tr>
<th>UN No. (DOT/TDG)</th>
<th>UN3082</th>
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<tbody>
<tr>
<td>UN No. (IMDG)</td>
<td>3082</td>
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<tr>
<td>UN No. (ICAO)</td>
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<tr>
<td>TDG Proper Shipping Name</td>
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<tr>
<td>TDG Class</td>
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15. REGULATORY INFORMATION

US Federal Regulations

SARA Section 302 Extremely Hazardous Substances Tier II Threshold Planning Quantities
None of the ingredients are listed.

CERCLA/Superfund, Hazardous Substances/Reportable Quantities (EPA)
The following ingredients are listed.

Silver; 1,000 lbs (454 Kg)

SARA Extremely Hazardous Substances EPCRA Reportable Quantities
None of the ingredients are listed.

SARA 313 Emission Reporting
The following ingredients are listed.

Silver

CAA Accidental Release Prevention
None of the ingredients are listed.

OSHA Highly Hazardous Chemicals
None of the ingredients are listed.
US State Regulations

California Proposition 65 Carcinogens and Reproductive Toxins
None of the ingredients are listed.
California Air Toxics “Hot Spots” (A-I)
The following ingredients are listed.
Silver
California Air Toxics “Hot Spots” (A-II)
None of the ingredients are listed.
Massachusetts “Right To Know” List
The following ingredients are listed.
Silver
Rhode Island “Right To Know” List
The following ingredients are listed.
Silver
Minnesota “Right To Know” List
The following ingredients are listed.
Silver
New Jersey “Right To Know” List
The following ingredients are listed.
Silver
Pennsylvania “Right To Know” List
The following ingredients are listed.
Silver

International Inventories

EU - EINECS/ELINCS
At least one ingredient is not listed.
Canada – DSL/NDSL
All ingredients are listed or exempt.
US - TSCA
All ingredients are listed or exempt.
US – TSCA 12(b) Export Notification
None of the ingredients are listed.
Australia - AICS
All ingredients are listed or exempt.
Japan – MITI
At least one ingredient is not listed.
Korea - KECI
All ingredients are listed or exempt.
China - IECSC
All ingredients are listed or exempt.
Philippines – PICCS
All ingredients are listed or exempt.

16. OTHER INFORMATION

<table>
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<tr>
<th>Revision Date</th>
<th>10/24/2014</th>
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<tr>
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Disclaimer

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1. IDENTIFICATION

Product Name: EPO-TEK H20E Part B
Product No.: EPO-TEK H20E Part B
Identification No.: UN3082
Identified uses: Adhesive.
Supplier: Epoxy Technology, Inc.
14 Fortune Drive
Billerica, MA 01821
USA
www.epotek.com
(978) 667-3805
(978) 663-9782
(800) 255-3924

2. HAZARD(S) IDENTIFICATION

Appearance: Paste
Color: Silver.
Odor: Slight odor.

GHS Pictogram

Signal Word: Danger

Hazard Statements:
- H318 Causes serious eye damage.
- H411 Toxic to aquatic life with long lasting effects.

Precautionary Statements:
- P273 Avoid release to the environment.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.
- P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P501 Dispose of contents/container in accordance with local regulations.

GHS Classification:
Physical and Chemical Hazards: Not classified.
Human health: Eye Dam. 1 - H318
Environment: Aquatic Chronic 2 - H411

Inhalation: May cause irritation to the respiratory system.
Ingestion: May cause discomfort if swallowed.
Skin Contact: Slightly irritating.
Eye Contact: Risk of serious damage to eyes.
3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Percentage</th>
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<tbody>
<tr>
<td>Reactive Diluent</td>
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<td>Acute Tox. 4 - H302; Eye Dam. 1 - H318; STOT SE 3 - H336</td>
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<tr>
<td>Substituted Imidazole</td>
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<td>Acute Tox. 4 - H302; Skin Irrit. 2 - H315; Eye Dam. 1 - H318; STOT SE 3 - H335</td>
<td></td>
</tr>
</tbody>
</table>

4. FIRST-AID MEASURES

Description of first aid measures

**Inhalation**
Move the exposed person to fresh air at once. Get medical attention. Provide rest, warmth and fresh air. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen.

**Ingestion**
DO NOT INDUCE VOMITING! NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS! Remove victim immediately from source of exposure. Drink plenty of water. Get medical attention immediately! Provide rest, warmth and fresh air.

**Skin Contact**
Remove contaminated clothing. Wash the skin immediately with soap and water. Get medical attention if irritation persists after washing.

**Eye Contact**
Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Get medical attention promptly if symptoms occur after washing.

Most important symptoms and effects, both acute and delayed

**Inhalation**
Inhalation of dusts during cutting, grinding or sanding of this product may cause irritation of the respiratory tract.

**Eye Contact**
Extreme irritation of eyes and mucous membranes, including burning and tearing. Corneal damage.

Indication of any immediate medical attention and special treatment needed

Notes To The Physician
Treat Symptomatically.

5. FIRE-FIGHTING MEASURES

**Flash point (°C)**
93

**Extinguishing Media**
Fire can be extinguished using: Dry chemicals. Foam. Water spray, fog or mist.

**Hazardous combustion products**
Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors.

**Protective Equipment For Fire-Fighters**
Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions
For personal protection, see section 8.
Environmental Precautions
Avoid release to the environment.
Spill Clean Up Methods
Collect in containers and seal securely.
Reference to other sections
For personal protection, see section 8.

7. HANDLING AND STORAGE

Handling
Avoid spilling, skin and eye contact. Keep away from heat, sparks and open flame. Do not eat, drink or smoke when using the product.

Storage
Store at moderate temperatures in dry, well-ventilated area. Keep away from heat, sparks and open flame. Avoid contact with oxidizing agents.

Specific end use(s)
The identified uses for this product are detailed in Section 1.2.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Protective Equipment

Engineering Measures
Provide adequate general and local exhaust ventilation.

Respiratory Equipment
If ventilation is insufficient, suitable respiratory protection must be provided.

Hand Protection
Use protective gloves.

Eye Protection
Wear approved safety goggles.

Other Protection
Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapor contact.

Hygiene Measures
DO NOT SMOKE IN WORK AREA! Wash hands at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. Wash promptly with soap & water if skin becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke.

9. PHYSICAL AND CHEMICAL PROPERTIES

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<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
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</tr>
<tr>
<td>Color</td>
<td>Silver</td>
</tr>
<tr>
<td>Odor</td>
<td>Slight odor</td>
</tr>
<tr>
<td>Flash point (°C)</td>
<td>93</td>
</tr>
</tbody>
</table>
10. STABILITY AND REACTIVITY

Reactivity

Stability
Stable under normal temperature conditions.

Hazardous Polymerisation
Will not polymerise.

Conditions To Avoid
Avoid contact with acids and oxidizing substances.

Materials To Avoid

Hazardous Decomposition Products

11. TOXICOLOGICAL INFORMATION

Toxicological Information on Ingredients:

Reactive Diluent (CAS: Proprietary)

Toxic Dose 1 - LD 50
1, 540 mg/kg (oral, rat)

12. ECOLOGICAL INFORMATION

Ecotoxicity
The product contains a substance which is toxic to aquatic organisms and which may cause long term adverse effects in the aquatic environment.

Acute Fish Toxicity
Very toxic to aquatic organisms.

Degradability
The product is moderately biodegradable.

Bioaccumulative potential
No data available on bioaccumulation.

Mobility:
Semi-mobile.

Other adverse effects
Not known.

13. DISPOSAL CONSIDERATIONS

Disposal Methods
Dispose of waste and residues in accordance with local authority requirements.

14. TRANSPORT INFORMATION

UN No. (DOT/TDG)  UN3082
UN No. (IMDG)  3082
UN No. (ICAO)  3082

DOT Proper Shipping Name  ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Silver)
TDG Proper Shipping Name  ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Silver)

DOT Hazard Class 9
15. REGULATORY INFORMATION

US Federal Regulations

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CERCLA/Superfund, Hazardous Substances/Reportable Quantities (EPA)
The following ingredients are listed.
Silver; 1,000 lbs (454 Kg)
SARA Extremely Hazardous Substances EPCRA Reportable Quantities
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SARA 313 Emission Reporting
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OSHA Highly Hazardous Chemicals
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