# SAFETY DATA SHEET

## EPO-TEK H70E Part A

### 1. IDENTIFICATION

<table>
<thead>
<tr>
<th>Product Name</th>
<th>EPO-TEK H70E Part A</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product No.</td>
<td>EPO-TEK H70E Part A</td>
</tr>
<tr>
<td>Identification No.</td>
<td>UN3082</td>
</tr>
<tr>
<td>Identified uses</td>
<td>Adhesive.</td>
</tr>
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</table>
| 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

<table>
<thead>
<tr>
<th>Appearance</th>
<th>Paste</th>
</tr>
</thead>
<tbody>
<tr>
<td>Color</td>
<td>Grey.</td>
</tr>
<tr>
<td>Odor</td>
<td>Mild.</td>
</tr>
<tr>
<td>GHS Pictogram</td>
<td></td>
</tr>
</tbody>
</table>

**Signal Word:** Warning

**Hazard Statements:**
- H315: Causes skin irritation.
- H317: May cause an allergic skin reaction.
- H319: Causes serious eye irritation.
- 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.
- P313: Get medical advice/attention.
- P501: Dispose of contents/container in accordance with local regulations.

**Contains:** Epoxy Phenol Novolac

**GHS Classification:**
- Physical and Chemical Hazards: Not classified.
- Human health: Skin Irrit. 2 - H315; Eye Irrit. 2 - H319; Skin Sens. 1 - H317
- Environment: Aquatic Chronic 2 - H411

**Inhalation:**
Gas or vapor in high concentrations may irritate respiratory system.

**Ingestion:**
May cause discomfort if swallowed.

**Skin Contact:**
May cause sensitization by skin contact. Irritating to skin.
3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Percentage</th>
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</thead>
<tbody>
<tr>
<td>Epoxy Phenol Novolac</td>
<td>30-60%</td>
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</table>

CAS No.: 9003-36-5
EC No.: 

GHS Classification
Skin Irrit. 2 - H315; Eye Irrit. 2 - H319; Skin Sens. 1 - H317; Aquatic Chronic 2 - H411

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
Skin irritation. Allergic rash.

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

5. FIRE-FIGHTING MEASURES

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
Do not discharge into drains, water courses or onto the ground. Avoid release to the environment.

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.
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 containers tightly closed. Keep away from heat, sparks and open flame. Avoid contact with oxidizing agents.

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
Use suitable protective gloves if risk of skin contact.

Eye Protection
If risk of splashing, wear safety goggles or 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. When using do not eat, drink or smoke.

9. PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Paste</td>
</tr>
<tr>
<td>Color</td>
<td>Grey.</td>
</tr>
<tr>
<td>Odor</td>
<td>Mild.</td>
</tr>
<tr>
<td>Solubility</td>
<td>Insoluble in water</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 oxidizers or reducing agents. Avoid heat, flames and other sources of ignition. Avoid exposure to high temperatures or direct sunlight.

Materials To Avoid

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

11. TOXICOLOGICAL INFORMATION

Toxicological information
No information available.

Toxicological Information on Ingredients:

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

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

12. ECOLOGICAL INFORMATION

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

Degradability
The product is moderately biodegradable.

Bioaccumulative potential
No data available on bioaccumulation.

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

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

DOT Proper Shipping Name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Epoxy Phenol Novolac)

TDG Proper Shipping Name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Epoxy Phenol Novolac)

DOT Hazard Class 9

DOT Hazard Label Class 9

TDG Class 9
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)
No hazardous substances present above de minimis levels.

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

SARA 313 Emission Reporting
No hazardous substances present above de minimis levels.

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
WARNING: This product contains a substance known to the State of California to cause cancer and/or reproductive harm.

California Air Toxics “Hot Spots” (A-I)
Contains a component that, in the form of respirable dust, is considered by the State of CA to be dangerous to health by prolonged exposure through inhalation. This component is not present in a respirable form in this product.

California Air Toxics “Hot Spots” (A-II)
None of the ingredients are listed.

Massachusetts “Right To Know” List
Contains a component that, in the form of respirable dust, is considered by the State of MA to be dangerous to health by prolonged exposure through inhalation. This component is not present in a respirable form in this product.
Rhode Island "Right To Know" List
Contains a component that, in the form of respirable dust, is considered by the State of RI to be dangerous to health by prolonged exposure through inhalation. This component is not present in a respirable form in this product.

Minnesota "Right To Know" List
Contains a component that, in the form of respirable dust, is considered by the State of MN to be dangerous to health by prolonged exposure through inhalation. This component is not present in a respirable form in this product.

New Jersey "Right To Know" List
Contains a component that, in the form of respirable dust, is considered by the State of NJ to be dangerous to health by prolonged exposure through inhalation. This component is not present in a respirable form in this product.

Pennsylvania "Right To Know" List
Contains a component that, in the form of respirable dust, is considered by the State of PA to be dangerous to health by prolonged exposure through inhalation. This component is not present in a respirable form in this product.

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>2 June 2014</th>
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<tbody>
<tr>
<td>Revision</td>
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1. IDENTIFICATION

Product Name: EPO-TEK H70E Part B
Product No.: EPO-TEK H70E Part B
Identified uses: Adhesive.
Supplier: Epoxy Technology, Inc.
14 Fortune Drive
Billerica, MA 01821
USA
www.epotek.com
(978) 667-3805
(978) 663-9782

Emergency Telephone: (800) 255-3924

2. HAZARD(S) IDENTIFICATION

Appearance: Paste
Color: Tan.
Odor: Slight odor.
GHS Pictogram:

Signal Word: Danger
Hazard Statements: H318 Causes serious eye damage.
Precautionary Statements:
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.

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

Inhalation: May cause irritation to the respiratory system.
Ingestion: May cause discomfort if swallowed.
Skin Contact: May cause skin irritation/eczema.
Eye Contact: Risk of serious damage to eyes. Risk of corneal damage.

3. COMPOSITION/INFORMATION ON INGREDIENTS
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 irritation persists after washing.

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. Get medical attention immediately. Continue to rinse.

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
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.

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
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. Protect against direct sunlight.

Storage
Store at moderate temperatures in dry, well-ventilated area. Keep containers tightly closed. Keep away from heat, sparks and open flame. Store away from: Oxidizing material.

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
Use protective gloves.

Eye Protection
Wear goggles/face shield.
EPO-TEK H70E Part B

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

<table>
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</tr>
</thead>
<tbody>
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<tr>
<td>Color</td>
<td>Tan.</td>
</tr>
<tr>
<td>Odor</td>
<td>Slight odor.</td>
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<tr>
<td>Solubility</td>
<td>Insoluble in water</td>
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<td>Evaporation rate</td>
<td>&lt;BuAc</td>
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<tr>
<td>Flash point (°C)</td>
<td>93</td>
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</table>

10. STABILITY AND REACTIVITY

Reactivity

Stability
Stable under normal temperature conditions.

Hazardous Polymerisation
Will not polymerise.

Conditions To Avoid
Avoid heat, flames and other sources of ignition. Avoid contact with oxidizers or reducing agents. Avoid contact with acids and alkalis.

Materials To Avoid

Hazardous Decomposition Products
Fire creates: Carbon monoxide (CO). Carbon dioxide (CO2). Metal fumes and oxides.

11. TOXICOLOGICAL INFORMATION

Toxicological information
No information available.

Toxicological Information on Ingredients:

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Toxic Dose 1 - LD 50</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>1, 540 mg/kg (oral, rat)</td>
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Reactive Diluent (CAS: Proprietary)

12. ECOLOGICAL INFORMATION

Ecotoxicity
There are no data on the ecotoxicity of this product.

Degradability
The product is moderately biodegradable.

Bioaccumulative potential
No data available on bioaccumulation.

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
EPO-TEK H70E Part B

General
The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, DOT).

Road Transport Notes
Not Classified

Rail Transport Notes
Not classified.

Sea Transport Notes
Not classified.

Air Transport Notes
Not classified.

Transport Labels
No transport warning sign required.

Environmentally Hazardous Substance/Marine Pollutant
No.

Transport in Bulk according to Annex II of MARPOL 73/78 and the IBC Code Notes
Not applicable.

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)
No hazardous substances present above de minimis levels.

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<tr>
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