SAFETY DATA SHEET  
EPO-TEK H81A Part A

1. IDENTIFICATION

<table>
<thead>
<tr>
<th>Product Name</th>
<th>EPO-TEK H81A Part A</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product No.</td>
<td>EPO-TEK H81A Part A</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></td>
<td>(978) 667-3805</td>
</tr>
<tr>
<td></td>
<td>(978) 663-9782</td>
</tr>
<tr>
<td>Emergency Telephone</td>
<td>(800) 255-3924</td>
</tr>
</tbody>
</table>

2. HAZARD(S) IDENTIFICATION

Appearance  Paste
Color        Brown.
Odor         Mild.

Signal Word  Warning
Hazard Statements
H317         May cause an allergic skin reaction.
H412         Harmful to aquatic life with long lasting effects.

Precautionary Statements
P280         Wear protective gloves/protective clothing/eye protection/face protection.
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 Sens. 1 - H317
Environment  Aquatic Chronic 3 - H412

Inhalation  In high concentrations, vapors may irritate throat and respiratory system and cause coughing.

Ingestion  May cause discomfort if swallowed.

Skin Contact  May cause sensitization by skin contact.

Eye Contact  May cause temporary eye irritation.

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 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. Vapors may cause headache, fatigue, dizziness and nausea.

Ingestion
May cause discomfort if swallowed.

Skin Contact
Allergic rash. Prolonged contact may cause redness, irritation and dry skin.

Eye Contact
May cause temporary eye irritation.

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. Carbon dioxide (CO2).

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

Special Fire Fighting Procedures
Avoid breathing fire 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.

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 container tightly sealed when not in use.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Protective Equipment

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

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Paste</td>
</tr>
<tr>
<td>Color</td>
<td>Brown</td>
</tr>
<tr>
<td>Odor</td>
<td>Mild</td>
</tr>
<tr>
<td>Solubility</td>
<td>Slightly soluble in water.</td>
</tr>
<tr>
<td>Vapor density (air=1)</td>
<td>&gt;1</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>&lt;BuAc</td>
</tr>
<tr>
<td>Flash point (°C)</td>
<td>93</td>
</tr>
</tbody>
</table>

10. STABILITY AND REACTIVITY

Reactivity
Violent reaction with: Strong reducing agents. Strong oxidizing agents.

Stability
Stable under normal temperature conditions.

Hazardous Polymerisation
Will not occur.

Conditions To Avoid
Avoid excessive heat for prolonged periods of time. Avoid heat, flames and other sources of ignition.
11. TOXICOLOGICAL INFORMATION

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

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

Acute Fish Toxicity

Not considered toxic to fish.

Degradability

No data available.

Bioaccumulative potential

No data available on bioaccumulation.

Mobility:

The product has poor water-solubility.

Other adverse effects

Not known.

13. DISPOSAL CONSIDERATIONS

Waste Management

Dangerous for the environment: May cause long-term adverse effects in the aquatic environment.

14. TRANSPORT INFORMATION

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)

None of the ingredients are listed.

SARA Extremely Hazardous Substances EPCRA Reportable Quantities

None of the ingredients are listed.
SARA 313 Emission Reporting
None of the ingredients are listed.

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)
None of the ingredients are listed.

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

Massachusetts “Right To Know” List
None of the ingredients are listed.

Rhode Island “Right To Know” List
None of the ingredients are listed.

Minnesota “Right To Know” List
None of the ingredients are listed.

New Jersey “Right To Know” List
None of the ingredients are listed.

Pennsylvania “Right To Know” List
None of the ingredients are listed.

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

Revision Date 08/07/2014
Revision 1

Disclaimer

Information contained in this publication or as otherwise supplied to Users is believed to be accurate and is given in good faith, but it is for the Users to satisfy themselves of the suitability of the product for their own particular purpose. Epoxy Technology, Inc. gives no warranty as to the fitness of the product for any particular purpose and any implied warranty or condition (statutory or otherwise) is excluded except to the extent that exclusion is prevented by law. Epoxy Technology, Inc. accepts no liability for loss or damage (other than that arising from death or personal injury caused by defective product, if proved), resulting from reliance on this information. Freedom under Patents, Copyright and Designs cannot be assumed.
SAFETY DATA SHEET
EPO-TEK H81A Part B

1. IDENTIFICATION

<table>
<thead>
<tr>
<th>Product Name</th>
<th>EPO-TEK H81A Part B</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product No.</td>
<td>EPO-TEK H81A Part B</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></td>
<td>(978) 667-3805</td>
</tr>
<tr>
<td></td>
<td>(978) 663-9782</td>
</tr>
<tr>
<td>Emergency Telephone</td>
<td>(800) 255-3924</td>
</tr>
</tbody>
</table>

2. HAZARD(S) IDENTIFICATION

Appearance: Paste
Color: Brown.
Odor: Mild.

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:
In high concentrations, vapors may irritate throat and respiratory system and cause coughing.

Ingestion:
May cause discomfort if swallowed.

Skin Contact:
Prolonged and frequent contact may cause redness and irritation.

Eye Contact:
Risk of serious damage to eyes.

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. Vapors may cause headache, fatigue, dizziness and nausea.

Ingestion
May cause discomfort if swallowed.

Skin Contact
Mild dermatitis, allergic skin rash.

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. Carbon dioxide (CO2).

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

Special Fire Fighting Procedures
Avoid breathing fire 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.

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. Avoid inhalation of vapors. Provide good ventilation.

Storage
Store at moderate temperatures in dry, well-ventilated area. Keep container tightly sealed when not in use. Keep away from heat, sparks and open flame.

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

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Paste</td>
</tr>
<tr>
<td>Color</td>
<td>Brown</td>
</tr>
<tr>
<td>Odor</td>
<td>Mild</td>
</tr>
<tr>
<td>Solubility (air=1)</td>
<td>Insoluble in water</td>
</tr>
<tr>
<td>Vapor density (air=1)</td>
<td>&gt;1</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>&lt;BuAc</td>
</tr>
</tbody>
</table>
10. STABILITY AND REACTIVITY

Reactivity
Violent reaction with: Strong oxidizing agents. Strong reducing agents.
Stability
Stable under normal temperature conditions.
Hazardous Polymerisation
Will not occur.
Conditions To Avoid
Avoid excessive heat for prolonged periods of time. Avoid contact with oxidizers or reducing agents. Avoid heat, flames and other sources of ignition.
Materials To Avoid
Strong oxidizing substances. Strong reducing agents.
Hazardous Decomposition Products
Fire creates: Carbon monoxide (CO). Carbon dioxide (CO2). Nitrous gases (NOx).

11. TOXICOLOGICAL INFORMATION

Toxicological information
No information available.

12. ECOLOGICAL INFORMATION

Ecotoxicity
Not regarded as dangerous for the environment.
Acute Fish Toxicity
Not considered toxic to fish.
Degradability
No data available.
Bioaccumulative potential
No data available on bioaccumulation.
Mobility:
The product has poor water-solubility.
Other adverse effects
Not known.

13. DISPOSAL CONSIDERATIONS

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

14. TRANSPORT INFORMATION

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)
None of the ingredients are listed.
SARA Extremely Hazardous Substances EPCRA Reportable Quantities
None of the ingredients are listed.
SARA 313 Emission Reporting
None of the ingredients are listed.
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)
None of the ingredients are listed.
California Air Toxics “Hot Spots” (A-II)
None of the ingredients are listed.
Massachusetts “Right To Know” List
None of the ingredients are listed.
Rhode Island “Right To Know” List
None of the ingredients are listed.
Minnesota “Right To Know” List
None of the ingredients are listed.
New Jersey “Right To Know” List
None of the ingredients are listed.
Pennsylvania “Right To Know” List
None of the ingredients are listed.

International Inventories

EU - EINECS/ELINCS
All ingredients are listed or exempt.
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>
<thead>
<tr>
<th>Revision Date</th>
<th>08/07/2014</th>
</tr>
</thead>
<tbody>
<tr>
<td>Revision</td>
<td>1</td>
</tr>
</tbody>
</table>

Disclaimer

Information contained in this publication or as otherwise supplied to Users is believed to be accurate and is given in good faith, but it is for the Users to satisfy themselves of the suitability of the product for their own particular purpose. Epoxy Technology, Inc. gives no warranty as to the fitness of the product for any particular purpose and any implied warranty or condition (statutory or otherwise) is excluded except to the extent that exclusion is prevented by law. Epoxy Technology, Inc. accepts no liability for loss or damage (other than that arising from death or personal injury caused by defective product, if proved), resulting from reliance on this information. Freedom under Patents, Copyright and Designs cannot be assumed.