# SAFETY DATA SHEET
## EPO-TEK 301-2G Part A

### 1. IDENTIFICATION

<table>
<thead>
<tr>
<th><strong>Product Name</strong></th>
<th>EPO-TEK 301-2G Part A</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Product No.</strong></td>
<td>EPO-TEK 301-2G Part A</td>
</tr>
<tr>
<td><strong>Identification No.</strong></td>
<td>UN3082</td>
</tr>
<tr>
<td><strong>Identified uses</strong></td>
<td>Adhesive.</td>
</tr>
</tbody>
</table>
| **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

<table>
<thead>
<tr>
<th><strong>Appearance</strong></th>
<th>Liquid</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Color</strong></td>
<td>Colourless to pale yellow.</td>
</tr>
<tr>
<td><strong>Odor</strong></td>
<td>Mild.</td>
</tr>
<tr>
<td><strong>GHS Pictogram</strong></td>
<td><img src="image" alt="GHS Pictogram" /></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** Bisphenol A diglycidyl ether resin

**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.
Eye Contact
Irritating to eyes.

3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Bisphenol A diglycidyl ether resin</th>
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<tr>
<td>CAS No.: 1675-54-3</td>
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<td>GHS Classification</td>
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<td>Skin Irrit. 2 - H315; Eye Irrit. 2 - H319; Skin Sens. 1 - H317; Aquatic Chronic 2 - H411</td>
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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
Irritating and may cause redness and pain.

Indication of any immediate medical attention and special treatment needed

Notes To The Physician
Treat Symptomatically.

5. FIRE-FIGHTING MEASURES

Flash point (°C) >251

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. Water spray should be used to cool containers.

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 onto the ground or into water courses. 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.
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 handle broken packages without protective equipment. Do not eat, drink or smoke when using the product. Observe good chemical hygiene practices. Provide good ventilation.

Storage
Store at moderate temperatures in dry, well ventilated area. Keep container tightly sealed when not in use.

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 general and local exhaust ventilation.

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

Hand Protection
Use protective gloves made of: Impermeable material.

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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<tr>
<td>Odor</td>
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<tr>
<td>Solubility</td>
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<tr>
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<td>Evaporation rate</td>
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<tr>
<td>Flash point (°C)</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 excessive heat for prolonged periods of time.
Materials To Avoid
Hazardous Decomposition Products
Fire creates: Carbon monoxide (CO). Carbon dioxide (CO2).

11. TOXICOLOGICAL INFORMATION

Toxicological Information on Ingredients: Bisphenol A diglycidyl ether resin (CAS: 1675-54-3)
Toxic Dose 1 - LD 50
>15, 000 mg/kg (oral, rat)
Toxic Dose 2 - LD 50
23, 000 mg/kg (dermal, rabbit)

Carcinogenicity:
IARC Carcinogenicity
IARC Group 3  Not classifiable as to its carcinogenicity to humans.
NTP - Carcinogenicity
Reasonably anticipated human carcinogen.
OSHA - Carcinogenicity
Not listed.

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
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

UN No. (DOT/TDG)  UN3082
UN No. (IMDG)  3082
UN No. (ICAO)  3082
DOT Proper Shipping Name  ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Bisphenol A Diglycidyl Ether Resin)
TDG Proper Shipping Name  ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Bisphenol A Diglycidyl Ether Resin)
DOT Hazard Class 9
DOT Hazard Label
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)
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
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
All ingredients are listed or exempt.

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>05/01/2015</th>
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</thead>
<tbody>
<tr>
<td>Revision</td>
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# 1. IDENTIFICATION

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<th>EPO-TEK 301-2G Part B</th>
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<td>Product No.</td>
<td>EPO-TEK 301-2G Part B</td>
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<td>Identification No.</td>
<td>UN2735</td>
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<tr>
<td>Identified uses</td>
<td>Adhesive</td>
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<td>Supplier</td>
<td>Epoxy Technology, Inc.</td>
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<tr>
<td></td>
<td>14 Fortune Drive</td>
</tr>
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<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>
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## 2. HAZARD(S) IDENTIFICATION

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<td>GHS Pictogram</td>
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### Signal Word

Danger

### Hazard Statements

- **H302**: Harmful if swallowed.
- **H314**: Causes severe skin burns and 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.
- **P310**: Immediately call a POISON CENTER or doctor/physician.
- **P501**: Dispose of contents/container in accordance with local regulations.

### Contains

Polyoxypropylenediamine

### GHS Classification

- **Physical and Chemical Hazards**: Not classified.
- **Human health**: Acute Tox. 4 - H302; Skin Corr. 1B - H314
- **Environment**: Not classified.

**Inhalation**

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

**Ingestion**

Harmful if swallowed. May cause stomach pain or vomiting. May cause internal injury.

**Skin Contact**

Causes burns. Harmful in contact with skin.

**Eye Contact**

Causes burns.
3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Polyoxypropylenediamine</th>
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<tbody>
<tr>
<td>CAS No.: 9046-10-0</td>
<td>EC No.:</td>
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<td>GHS Classification</td>
<td></td>
</tr>
<tr>
<td>Acute Tox. 4 - H302; Skin Corr. 1B - H314</td>
<td></td>
</tr>
</tbody>
</table>

4. FIRST-AID MEASURES

Description of first aid measures

**Inhalation**
Remove victim immediately from source of exposure. Keep the affected person warm and at rest. Get prompt medical attention.

**Ingestion**
NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS! Rinse mouth thoroughly. Get medical attention immediately!

**Skin Contact**
Remove affected person from source of contamination. Remove contaminated clothing. Wash the skin immediately with soap and water. Get medical attention promptly if symptoms occur 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**
Vapors may cause headache, fatigue, dizziness and nausea.

**Ingestion**
May cause stomach pain or vomiting.

**Skin Contact**
Burning pain and severe corrosive skin damage.

**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

**Extinguishing Media**
Fire can be extinguished using: Dry chemicals. Foam. Carbon dioxide (CO2).

**Specific Hazards**
In case of fire, toxic gases may be formed (COx, NOx).

**Special Fire Fighting Procedures**
Water spray should be used to cool containers.

**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**
Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Absorb with sand or other inert absorbent. Wear necessary protective equipment.
Reference to other sections
For personal protection, see section 8.

7. HANDLING AND STORAGE

Handling
Avoid spilling, skin and eye contact.

Storage
Store at moderate temperatures in dry, well ventilated area. Keep away from heat, sparks and open flame.

Storage Class
Corrosive 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, quick drench.

Engineering Measures
Provide adequate ventilation.

Respiratory Equipment
No specific recommendation made, but respiratory protection may still be required under exceptional circumstances when excessive air contamination exists.

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. 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

Appearance
Liquid

Color
Clear

Odor
Mild.

Solubility
Soluble in water.

Vapor density (air=1)
>1

Vapor pressure
<1 mm Hg 20

Evaporation rate
<BuAc

10. STABILITY AND REACTIVITY

Reactivity
Reaction with: Strong oxidizing agents. Strong reducing agents.

Stability
Stable under normal temperature conditions.

Hazardous Polymerisation
Will not polymerise.
Conditions To Avoid
Avoid excessive heat for prolonged periods of time.

Materials To Avoid
Strong oxidizing substances. Strong reducing agents.

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

11. TOXICOLOGICAL INFORMATION

Toxicological Information on Ingredients:

Polyoxypolylediamine (CAS: 9046-10-0)

Toxic Dose 1 - LD 50
2,880 mg/kg (oral, rat)

Toxic Dose 2 - LD 50
2,980 mg/kg (dermal, rabbit)

12. ECOLOGICAL INFORMATION

Ecotoxicity
Not regarded as dangerous for the environment.

Acute Toxicity - Fish
Not available.

Degradability
No data available.

Bioaccumulative potential
No data available on bioaccumulation.

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)  UN2735
UN No. (IMDG)  2735
UN No. (ICAO)  2735

DOT Proper Shipping Name  AMINES, LIQUID, CORROSIVE, N.O.S. (Polyoxypolylediamine)

TDG Proper Shipping Name  AMINES, LIQUID, CORROSIVE, N.O.S. (Polyoxypolylediamine)

DOT Hazard Class 8

DOT Hazard Label Corrosive

TDG Class 8

TDG Label(s) 8

IMDG Class 8

ICAO Class 8

Transport Labels

CORROSIVE 8
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