1. Identification

Product identifier

Product name  EPO-TEK 301-2FL Part A

Product number  301-2FL/A

Recommended use of the chemical and restrictions on use

Application  Adhesive.

Details of the supplier of the safety data sheet

Supplier  Epoxy Technology, Inc.

14 Fortune Drive

Billerica, MA 01821

USA

(978) 667-3805

(978) 663-9782

www.epotek.com, SDS@epotek.com

Emergency telephone number

Emergency telephone  +1 (800) 255-3924, +1 (813) 248-0585

2. Hazard(s) identification

Classification of the substance or mixture

Physical hazards  Not Classified

Health hazards  Skin Irrit. 2 - H315 Eye Dam. 1 - H318 Skin Sens. 1 - H317

Environmental hazards  Aquatic Chronic 2 - H411

Label elements

Pictogram

![Pictogram](image)

Signal word  Danger

Hazard statements  
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H411 Toxic to aquatic life with long lasting effects.

Precautionary statements  
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
P305+P351+P338 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 national regulations.
P313 Get medical advice/ attention.

Contains  Epoxy Resin Blend, Reactive Diluent
3. Composition/information on ingredients

Mixtures

<table>
<thead>
<tr>
<th>Epoxy Resin Blend</th>
<th>60-100%</th>
</tr>
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<tbody>
<tr>
<td>CAS number: Proprietary</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Classification</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Skin Irrit. 2 - H315</td>
<td></td>
</tr>
<tr>
<td>Eye Irrit. 2 - H319</td>
<td></td>
</tr>
<tr>
<td>Skin Sens. 1 - H317</td>
<td></td>
</tr>
<tr>
<td>Aquatic Chronic 2 - H411</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Reactive Diluent</th>
<th>5-10%</th>
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</thead>
<tbody>
<tr>
<td>CAS number: Proprietary</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Classification</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute Tox. 4 - H302</td>
<td></td>
</tr>
<tr>
<td>Acute Tox. 4 - H312</td>
<td></td>
</tr>
<tr>
<td>Acute Tox. 4 - H332</td>
<td></td>
</tr>
<tr>
<td>Skin Irrit. 2 - H315</td>
<td></td>
</tr>
<tr>
<td>Eye Dam. 1 - H318</td>
<td></td>
</tr>
<tr>
<td>Skin Sens. 1 - H317</td>
<td></td>
</tr>
</tbody>
</table>

The Full Text for all Hazard Statements are Displayed in Section 16.

4. First-aid measures

**Description of first aid measures**

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

**Ingestion**
Never give anything by mouth to an unconscious person. Do not induce vomiting. Rinse mouth thoroughly with water. Get medical attention if any discomfort continues.

**Skin Contact**
Remove affected person from source of contamination. Remove contaminated clothing. Wash skin thoroughly with soap and water. Get medical attention if irritation persists after washing.

**Eye contact**
Remove affected person from source of contamination. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes and get medical attention.

**Most important symptoms and effects, both acute and delayed**

**Skin contact**
Skin irritation. Allergic rash.

**Eye contact**
May cause severe eye irritation.

**Indication of immediate medical attention and special treatment needed**

Notes for the doctor
Treat symptomatically.

5. Fire-fighting measures

**Extinguishing media**

**Suitable extinguishing media**
Extinguish with the following media: Dry chemicals. Foam. Water spray.

**Special hazards arising from the substance or mixture**

**Hazardous combustion products**
Oxides of carbon. Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors.
Advice for firefighters

Special protective equipment for firefighters
Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

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

Environmental precautions
Do not discharge into drains or watercourses or onto the ground. Avoid release to the environment.

Methods and material for containment and cleaning up

Methods for cleaning up
Stop leak if possible without risk. Absorb in vermiculite, dry sand or earth and place into containers. Flush contaminated area with plenty of water. Avoid the spillage or runoff entering drains, sewers or watercourses.

Reference to other sections
For personal protection, see Section 8.

7. Handling and storage

Precautions for safe handling

Usage precautions
Avoid spilling. Avoid contact with skin and eyes. Provide adequate ventilation. Keep away from heat, sparks and open flame.

Conditions for safe storage, including any incompatibilities

Storage precautions
Store at moderate temperatures in dry, well ventilated area. Keep away from heat, sparks and open flame. Do not store near heat sources or expose to high temperatures. Store away from the following materials: Oxidizing materials.

Storage class
Chemical storage.

Specific end use(s)

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

8. Exposure Controls/personal protection

Ingredient comments
No exposure limits known for ingredient(s).

Exposure controls

Protective equipment

Appropriate engineering controls
Provide adequate ventilation. Avoid inhalation of vapors. Observe any occupational exposure limits for the product or ingredients.

Eye/face protection
Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. The following protection should be worn: Chemical splash goggles or face shield.

Hand protection
Wear protective gloves.

Other skin and body protection
Wear appropriate clothing to prevent any possibility of skin contact.
EPO-TEK 301-2FL Part A

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.

Respiratory protection
If ventilation is inadequate, suitable respiratory protection must be worn.

9. Physical and Chemical Properties

Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Liquid.</td>
</tr>
<tr>
<td>Color</td>
<td>Clear liquid.</td>
</tr>
<tr>
<td>Odor</td>
<td>Mild.</td>
</tr>
<tr>
<td>Flash point</td>
<td>251°C</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>&lt;BuAc</td>
</tr>
<tr>
<td>Solubility(ies)</td>
<td>Insoluble in water.</td>
</tr>
</tbody>
</table>

10. Stability and reactivity

Reactivity
The following materials may react violently with the product: Acids. Alkalis. Oxidizing materials.

Stability
Stable at normal ambient temperatures.

Possibility of hazardous reactions
Will not polymerize.

Conditions to avoid
Avoid excessive heat for prolonged periods of time. Avoid heat, flames and other sources of ignition.

Materials to avoid

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

11. Toxicological Information

Information on toxicological effects

<table>
<thead>
<tr>
<th>Effect</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute toxicity - oral</td>
<td></td>
</tr>
<tr>
<td>ATE oral (mg/kg)</td>
<td>8,333.33</td>
</tr>
<tr>
<td>Acute toxicity - dermal</td>
<td></td>
</tr>
<tr>
<td>ATE dermal (mg/kg)</td>
<td>18,333.33</td>
</tr>
<tr>
<td>Acute toxicity - inhalation</td>
<td></td>
</tr>
<tr>
<td>ATE inhalation (gases ppm)</td>
<td>75,000.0</td>
</tr>
<tr>
<td>ATE inhalation (vapours mg/l)</td>
<td>183.33</td>
</tr>
<tr>
<td>ATE inhalation (dusts/mists mg/l)</td>
<td>25.0</td>
</tr>
</tbody>
</table>

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

Ingestion
May cause discomfort if swallowed.
EPO-TEK 301-2FL Part A

Skin Contact  Irritating to skin.
Eye contact   May cause severe eye irritation.

12. Ecological Information

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

Persistence and degradability
Persistenct and degradability No data available.

Bioaccumulative potential
Bio-Accumulative Potential No data available on bioaccumulation.

Other adverse effects
Other adverse effects Not known.

13. Disposal considerations

Waste treatment methods
Disposal methods Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

14. Transport information

UN Number
UN No. (DOT)  3082
UN No. (TDG)  3082
UN No. (IMDG)  3082
UN No. (ICAO)  3082

UN proper shipping name
Proper shipping name (DOT)  ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Epoxy Resin Blend)
Proper shipping name (TDG)  ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Epoxy Resin Blend)
Proper shipping name (IMDG)  ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Epoxy Resin Blend)
Proper shipping name (ICAO)  ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Epoxy Resin Blend)

Transport hazard class(es)
TDG class  9
TDG label  9
IMDG Class  9
ICAO class/division  9

Transport labels

Packing group
EPO-TEK 301-2FL Part A

DOT pack group III
TDG Packing Group III
IMDG packing group III
ICAO packing group III

Environmental hazards
Environmentally Hazardous Substance

Special precautions for user
EmS F-A, S-F

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

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.
EPO-TEK 301-2FL Part A

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.

Inventories
EU - EINECS/ELINCS
Some of the ingredients are listed or exempt.

Canada - DSL/NDSL
All the ingredients are listed or exempt.

US - TSCA
All the ingredients are listed or exempt.

US - TSCA 12(b) Export Notification
None of the ingredients are listed.

Australia - AICS
All the ingredients are listed or exempt.

Japan - MITI
Some of the ingredients are listed or exempt.

Korea - KECI
All the ingredients are listed or exempt.

China - IECSC
All the ingredients are listed or exempt.

Philippines - PICCS
All the ingredients are listed or exempt.

16. Other information

Revision date 4/4/2016
Revision 2
Hazard statements in full
H302 Harmful if swallowed.
H312 Harmful in contact with skin.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H332 Harmful if inhaled.
H411 Toxic to aquatic life with long lasting effects.

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.
SAFETY DATA SHEET
EPO-TEK 301-2FL Part B

1. Identification

Product identifier

Product name: EPO-TEK 301-2FL Part B

Product number: 301-2FL/B

Recommended use of the chemical and restrictions on use

Application: Adhesive.

Details of the supplier of the safety data sheet

Supplier: Epoxy Technology, Inc.
14 Fortune Drive
Billerica, MA 01821
USA
(978) 667-3805
(978) 663-9782
www.epotek.com, SDS@epotek.com

Emergency telephone number

Emergency telephone: +1 (800) 255-3924, +1 (813) 248-0585

2. Hazard(s) identification

Classification of the substance or mixture

Physical hazards: Not Classified

Health hazards: Acute Tox. 4 - H302 Skin Corr. 1B - H314 Eye Dam. 1 - H318

Environmental hazards: Not Classified

Label elements

Pictogram

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+P351+P338 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/ doctor.
P501 Dispose of contents/ container in accordance with national regulations.

Contains: Polyoxypropylenediamine

3. Composition/information on ingredients
EPO-TEK 301-2FL Part B

Mixtures

<table>
<thead>
<tr>
<th>Component</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Polyoxpropylene diamine</td>
<td>60-100%</td>
</tr>
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<td>CAS number: 9046-10-0</td>
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</tr>
</tbody>
</table>

**Classification**

- Acute Tox. 4 - H302
- Skin Corr. 1B - H314
- Eye Dam. 1 - H318

The Full Text for all Hazard Statements are Displayed in Section 16.

### 4. First-aid measures

#### Description of first aid measures

**Inhalation**
Remove affected person from source of contamination. Keep affected person warm and at rest. Get medical attention immediately.

**Ingestion**
Never give anything by mouth to an unconscious person. Do not induce vomiting. Rinse mouth thoroughly with water. Get medical attention immediately.

**Skin Contact**
Remove affected person from source of contamination. Remove contaminated clothing. Wash skin thoroughly with soap and water. Get medical attention promptly if symptoms occur after washing.

**Eye contact**
Remove affected person from source of contamination. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. 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**
Severe irritation, burning and tearing. Corneal damage.

**Indication of immediate medical attention and special treatment needed**
Notes for the doctor: Treat symptomatically.

### 5. Fire-fighting measures

#### Extinguishing media

Suitable extinguishing media: Extinguish with the following media: Dry chemicals. Foam. Carbon dioxide (CO2).

**Special hazards arising from the substance or mixture**

**Specific hazards**
Protection against nuisance dust must be used when the airborne concentration exceeds 10 mg/m³. Oxides of carbon. Oxides of nitrogen.

**Advice for firefighters**

- **Protective actions during firefighting**
  Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk.

- **Special protective equipment for firefighters**
  Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

### 6. Accidental release measures
EPO-TEK 301-2FL Part B

Personal precautions, protective equipment and emergency procedures

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

Environmental precautions
Avoid release to the environment.

Methods and material for containment and cleaning up

Methods for cleaning up
Eliminate all sources of ignition. No smoking, sparks, flames or other sources of ignition near spillage. Provide adequate ventilation. Absorb spillage with sand or other inert absorbent. Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate.

Reference to other sections
For personal protection, see Section 8.

7. Handling and storage

Precautions for safe handling

Usage precautions
Avoid spilling. Avoid contact with skin and eyes.

Conditions for safe storage, including any incompatibilities

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

Storage class
Corrosive storage.

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

8. Exposure Controls/personal protection

Ingredient comments
No exposure limits known for ingredient(s).

Exposure controls

Protective equipment

Appropriate engineering controls
Provide adequate ventilation.

Eye/face protection
Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. The following protection should be worn: Chemical splash goggles or face shield.

Hand protection
Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible.

Other skin and body protection
Wear appropriate clothing to prevent any possibility of skin contact.

Hygiene measures
Provide eyewash station and safety shower. 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 and water if skin becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke.
EPO-TEK 301-2FL Part B

Respiratory protection
No specific recommendations. Respiratory protection may be required if excessive airborne contamination occurs.

9. Physical and Chemical Properties

Information on basic physical and chemical properties

Appearance
Liquid.

Color
Clear liquid.

Odor
Mild.

Evaporation rate
< BuAc

Vapor pressure
<1 mm Hg @ °C

Vapor density
>1

Solubility(ies)
Soluble in water.

10. Stability and reactivity

Reactivity
The following materials may react with the product: Strong oxidizing agents. Strong reducing agents.

Stability
Stable at normal ambient temperatures.

Possibility of hazardous reactions
Will not polymerize.

Conditions to avoid
Avoid excessive heat for prolonged periods of time.

Materials to avoid
Strong oxidizing agents. Strong reducing agents.

Hazardous decomposition products
Fire creates: Carbon monoxide (CO). Carbon dioxide (CO2).

11. Toxicological information

Information on toxicological effects

Acute toxicity - oral
ATE oral (mg/kg) 500.0

Inhalation
Gas or vapor in high concentrations may irritate the respiratory system. Symptoms following overexposure may include the following: 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.

Toxicological information on ingredients.

Polyoxypolyamine

Acute toxicity - oral
ATE oral (mg/kg) 500.0

12. Ecological Information
EPO-TEK 301-2FL Part B

Ecotoxicity
Not regarded as dangerous for the environment.

Persistence and degradability
No data available.

Bioaccumulative potential
No data available on bioaccumulation.

Other adverse effects
Not known.

13. Disposal considerations
Disposal methods
Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

14. Transport information

UN Number
UN No. (DOT) 2735
UN No. (TDG) 2735
UN No. (IMDG) 2735
UN No. (ICAO) 2735

UN proper shipping name
Proper shipping name (DOT) AMINES, LIQUID, CORROSIVE, N.O.S. (Polyoxypropylenediamine)
Proper shipping name (TDG) AMINES, LIQUID, CORROSIVE, N.O.S. (Polyoxypropylenediamine)
Proper shipping name (IMDG) AMINES, LIQUID, CORROSIVE, N.O.S. (Polyoxypropylenediamine)

Proper shipping name (ICAO) AMINES, LIQUID, CORROSIVE, N.O.S. (Polyoxypropylenediamine)

Transport hazard class(es)
DOT hazard class 8
DOT hazard label Corrosive
TDG class 8
TDG label 8
IMDG Class 8
ICAO class/division 8

Transport labels

Packing group
DOT pack group III
TDG Packing Group III
EPO-TEK 301-2FL Part B

IMDG packing group III
ICAO packing group III

Environmental hazards
Environmentally Hazardous Substance No.

Special precautions for user
EmS F-A, S-B

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code 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.
EPO-TEK 301-2FL Part B

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

Inventories
EU - EINECS/ELINCS
None of the ingredients are listed.

Canada - DSL/NDSL
All the ingredients are listed or exempt.

US - TSCA
All the ingredients are listed or exempt.

US - TSCA 12(b) Export Notification
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Australia - AICS
All the ingredients are listed or exempt.

Japan - MITI
All the ingredients are listed or exempt.

Korea - KECI
All the ingredients are listed or exempt.

China - IECSC
All the ingredients are listed or exempt.

Philippines - PICCS
All the ingredients are listed or exempt.

16. Other information

Revision date       4/4/2016
Revision            2
Hazard statements in full
H302 Harmful if swallowed.
H314 Causes severe skin burns and eye damage.
H318 Causes serious eye damage.

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.