



## SAFETY DATA SHEET

### EPO-TEK® 301-2G PMF Syringe

#### 1. Identification

##### Product identifier

**Product name** EPO-TEK® 301-2G PMF Syringe

**Product number** 301-2G

##### Recommended use of the chemical and restrictions on use

**Application** Adhesive.

**Uses advised against** Use only for intended applications.

##### 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](http://www.epotek.com), [SDS@epotek.com](mailto:SDS@epotek.com)

##### Emergency telephone number

**Emergency telephone** ChemTel: +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 Skin Sens. 1 - H317

**Environmental hazards** Aquatic Chronic 2 - H411

##### Label elements

##### Hazard symbols



**Signal word** Danger

**Hazard statements** H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage.

H317 May cause an allergic skin reaction.

H411 Toxic to aquatic life with long lasting effects.

## EPO-TEK® 301-2G PMF Syringe

<b>Precautionary statements</b>	P280 Wear protective gloves/ protective clothing/ eye protection/ face protection. P301+P330+P331 If swallowed: Rinse mouth. Do NOT induce vomiting. P303+P361+P353 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower. P304+P340 If inhaled: Remove person to fresh air and keep comfortable for breathing. 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.
<b>Contains</b>	Bisphenol A Diglycidyl Ether Resin, Polyoxypropylenediamine

### 3. Composition/information on ingredients

#### Substances

<b>Bisphenol A Diglycidyl Ether Resin</b>	<b>60-100%</b>
CAS number: 1675-54-3	
<b>Classification</b>	
Skin Irrit. 2 - H315	
Eye Irrit. 2 - H319	
Skin Sens. 1 - H317	
Aquatic Chronic 2 - H411	

  

<b>Polyoxypropylenediamine</b>	<b>10-30%</b>
CAS number: 9046-10-0	
<b>Classification</b>	
Acute Tox. 4 - H302	
Acute Tox. 4 - H312	
Skin Corr. 1B - H314	
Eye Dam. 1 - H318	
Aquatic Chronic 3 - H412	

The full text for all hazard statements is displayed in Section 16.

**Product name** EPO-TEK® 301-2G PMF Syringe

### 4. First-aid measures

#### Description of first aid measures

<b>Inhalation</b>	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Maintain an open airway. Loosen tight clothing such as collar, tie or belt. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen. Place unconscious person on their side in the recovery position and ensure breathing can take place. Never give anything by mouth to an unconscious person. Get medical attention if any discomfort continues.
<b>Ingestion</b>	Get medical attention immediately. Remove victim to fresh air and keep at rest in a position comfortable for breathing. Rinse nose and mouth with water. Give plenty of water to drink. Maintain an open airway. Loosen tight clothing such as collar, tie or belt. Do not induce vomiting unless under the direction of medical personnel. Place unconscious person on their side in the recovery position and ensure breathing can take place. Never give anything by mouth to an unconscious person.

## EPO-TEK® 301-2G PMF Syringe

<b>Skin Contact</b>	Immediate first aid is imperative. Remove contaminated clothing and rinse skin thoroughly with water. Do not use organic solvents. Continue to rinse for at least 15 minutes and get medical attention.
<b>Eye contact</b>	Get medical attention immediately. Rinse immediately with plenty of water. 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**

<b>Inhalation</b>	Inhalation of dust during cutting, grinding or sanding operations involving this product may cause irritation of the respiratory tract. Gas or vapor in high concentrations may irritate the respiratory system.
<b>Ingestion</b>	Harmful if swallowed. May cause chemical burns in mouth, esophagus and stomach. May cause stomach pain or vomiting.
<b>Skin contact</b>	Causes severe burns. May cause sensitisation by skin contact.
<b>Eye contact</b>	Causes serious eye damage. Burns can occur.

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

<b>Notes for the doctor</b>	Treat symptomatically.
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### **5. Fire-fighting measures**

**Extinguishing media**

<b>Suitable extinguishing media</b>	Dry chemicals. Foam. Carbon dioxide (CO2).
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**Special hazards arising from the substance or mixture**

<b>Hazardous combustion products</b>	Thermal decomposition or combustion products may include the following substances: Carbon dioxide (CO2). Carbon monoxide (CO). Toxic gases or vapors.
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**Advice for firefighters**

<b>Protective actions during firefighting</b>	Avoid breathing fire gases or vapors. Use water to keep fire exposed containers cool and disperse vapors.
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<b>Special protective equipment for firefighters</b>	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.
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### **6. Accidental release measures**

**Personal precautions, protective equipment and emergency procedures**

<b>Personal precautions</b>	Wear protective clothing as described in Section 8 of this safety data sheet. Do not handle broken packages without protective equipment.
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**Environmental precautions**

<b>Environmental precautions</b>	Avoid discharge to the aquatic environment.
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**Methods and material for containment and cleaning up**

<b>Methods for cleaning up</b>	Stop leak if safe to do so. Eliminate all sources of ignition. Absorb in vermiculite, dry sand or earth and place into containers. Dispose of contents/container in accordance with national regulations.
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<b>Reference to other sections</b>	For personal protection, see Section 8.
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### **7. Handling and storage**

**Precautions for safe handling**

## EPO-TEK® 301-2G PMF Syringe

<b>Usage precautions</b>	Avoid spilling. Avoid contact with skin and eyes. Wear protective clothing as described in Section 8 of this safety data sheet.
<b>Advice on general occupational hygiene</b>	Provide eyewash station and safety shower. Do not eat, drink or smoke when using this product. Wash promptly if skin becomes contaminated. Wash after use and before eating, smoking and using the toilet. Use appropriate skin cream to prevent drying of skin. Wash contaminated clothing before reuse.
<b>Conditions for safe storage, including any incompatibilities</b>	
<b>Storage precautions</b>	Store at -40°C. Keep container tightly sealed when not in use.
<b>Specific end uses(s)</b>	
<b>Specific end use(s)</b>	The identified uses for this product are detailed in Section 1.
<b>8. Exposure controls/Personal protection</b>	
<b>Ingredient comments</b>	No exposure limits known for ingredient(s).
<b>Exposure controls</b>	
<b>Protective equipment</b>	
 	
<b>Appropriate engineering controls</b>	Provide adequate general and local exhaust ventilation.
<b>Eye/face protection</b>	Wear tight-fitting, chemical splash goggles or face shield.
<b>Hand protection</b>	It is recommended that chemical-resistant, impervious gloves are worn.
<b>Material of gloves</b>	The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture. The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked prior to the application.
<b>Penetration time of glove material</b>	The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
<b>Other skin and body protection</b>	Wear appropriate clothing to prevent any possibility of skin contact.
<b>Hygiene measures</b>	Provide eyewash station and safety shower. Do not eat, drink or smoke when using this product. Wash promptly if skin becomes contaminated. Wash after use and before eating, smoking and using the toilet. Use appropriate skin cream to prevent drying of skin. Wash contaminated clothing before reuse.
<b>Respiratory protection</b>	If ventilation is inadequate, suitable respiratory protection must be worn.
<b>9. Physical and chemical properties</b>	
<b>Information on basic physical and chemical properties</b>	
<b>Appearance</b>	Liquid.
<b>Color</b>	Clear.

## EPO-TEK® 301-2G PMF Syringe

<b>Odor</b>	Mild.
<b>Odor threshold</b>	No specific test data are available.
<b>pH</b>	No specific test data are available.
<b>Melting point</b>	No specific test data are available.
<b>Initial boiling point and range</b>	No specific test data are available.
<b>Flash point</b>	> 93°C
<b>Evaporation rate</b>	< BuAc
<b>Flammability (solid, gas)</b>	No specific test data are available.
<b>Upper/lower flammability or explosive limits</b>	No specific test data are available.
<b>Vapor density</b>	>1
<b>Relative density</b>	No specific test data are available.
<b>Solubility(ies)</b>	Slightly soluble in water.
<b>Partition coefficient</b>	No specific test data are available.
<b>Auto-ignition temperature</b>	No specific test data are available.
<b>Decomposition Temperature</b>	No specific test data are available.
<b>Viscosity</b>	No specific test data are available.
<b>Other information</b>	None.

### 10. Stability and reactivity

<b>Reactivity</b>	The following materials may react with the product: Strong acids. Strong alkalis. Strong oxidizing agents. Strong reducing agents.
<b>Stability</b>	Stable at normal ambient temperatures and when used as recommended.
<b>Possibility of hazardous reactions</b>	May polymerize.
<b>Conditions to avoid</b>	Avoid excessive heat for prolonged periods of time.
<b>Materials to avoid</b>	Strong acids. Strong alkalis. Strong oxidizing agents. Strong reducing agents.
<b>Hazardous decomposition products</b>	Thermal decomposition or combustion products may include the following substances: Carbon dioxide (CO <sub>2</sub> ). Carbon monoxide (CO).

### 11. Toxicological information

#### Information on toxicological effects

##### Acute toxicity - oral

**ATE oral (mg/kg)** 1,928.27

**Inhalation** Inhalation of dust during cutting, grinding or sanding operations involving this product may cause irritation of the respiratory tract. Gas or vapor in high concentrations may irritate the respiratory system.

## EPO-TEK® 301-2G PMF Syringe

<b>Ingestion</b>	Harmful if swallowed. May cause chemical burns in mouth, esophagus and stomach. May cause stomach pain or vomiting.
<b>Skin Contact</b>	Causes severe burns. May cause sensitisation by skin contact.
<b>Eye contact</b>	Causes serious eye damage. Burns can occur.

### **12. Ecological information**

**Ecotoxicity** Toxic to aquatic life with long lasting effects.

**Acute aquatic toxicity**

**Acute toxicity - fish** Not available.

**Persistence and degradability**

**Persistence and degradability** No data available.

**Bioaccumulative potential**

**Bio-Accumulative Potential** No data available on bioaccumulation.

**Partition coefficient** No specific test data are available.

**Mobility in soil**

**Mobility** No data available.

**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. (TDG)** 2735

**UN No. (IMDG)** 2735

**UN No. (ICAO)** 2735

**UN No. (DOT)** UN2735

**UN proper shipping name**

**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)

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

**Transport hazard class(es)**

**DOT hazard class** 8

**DOT hazard label** 8

**TDG class** 8

## EPO-TEK® 301-2G PMF Syringe

<b>TDG label(s)</b>	8
<b>IMDG Class</b>	8
<b>ICAO class/division</b>	8

### Transport labels



### DOT transport labels



### Packing group

<b>TDG Packing Group</b>	III
<b>IMDG packing group</b>	III
<b>ICAO packing group</b>	III
<b>DOT packing group</b>	III

### Environmental hazards

#### Environmentally Hazardous Substance



### Special precautions for user

<b>IMDG Code segregation group</b>	18. Alkalies
<b>EmS</b>	F-A, S-B

**Transport in bulk according to Annex II of MARPOL 73/78** Not applicable.

**and the IBC Code**

### **15. Regulatory information**

**Regulatory References** Proprietary information protected pursuant to WTO's Agreement on Trade-Related Aspects of Intellectual Property Rights (TRIPS), Section 7, Art. 39.

### US Federal Regulations

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

**CERCLA/Superfund, Hazardous Substances/Reportable Quantities (EPA)**  
None of the ingredients are required to be listed.

**SARA Extremely Hazardous Substances EPCRA Reportable Quantities**  
None of the ingredients are required to be listed.

## EPO-TEK® 301-2G PMF Syringe

### SARA 313 Emission Reporting

None of the ingredients are required to be listed.

### CAA Accidental Release Prevention

None of the ingredients are required to be listed.

### OSHA Highly Hazardous Chemicals

None of the ingredients are required to be listed.

### US State Regulations

#### California Proposition 65 Carcinogens and Reproductive Toxins

None of the ingredients are required to be listed.

#### California Air Toxics "Hot Spots" (A-I)

None of the ingredients are required to be listed.

#### California Air Toxics "Hot Spots" (A-II)

None of the ingredients are required to be listed.

#### Massachusetts "Right To Know" List

None of the ingredients are required to be listed.

#### Rhode Island "Right To Know" List

None of the ingredients are required to be listed.

#### Minnesota "Right To Know" List

None of the ingredients are required to be listed.

#### New Jersey "Right To Know" List

None of the ingredients are required to be listed.

#### Pennsylvania "Right To Know" List

None of the ingredients are required to be 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 or exempt.

#### Australia - AICS

All the ingredients are listed or exempt.

#### Japan - ENCS

All the ingredients are listed or exempt.

#### Korea - KECI

All the ingredients are listed or exempt.

## EPO-TEK® 301-2G PMF Syringe

**China - IECSC**

All the ingredients are listed or exempt.

**Philippines - PICCS**

All the ingredients are listed or exempt.

**16. Other information**

**Revision date** 2/16/2021

**Revision** 2

**Supersedes date** 6/25/2018

**Hazard statements in full**

H302 Harmful if swallowed.  
H314 Causes severe skin burns and eye damage.  
H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H318 Causes serious eye damage.  
H319 Causes serious eye irritation.  
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.