



## SAFETY DATA SHEET

### EPO-TEK 310M-2 PMF Syringe

#### 1. Identification

##### Product identifier

**Product name** EPO-TEK 310M-2 PMF Syringe

**Product number** 310M-2 PMF

##### 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

##### Emergency telephone number

**Emergency telephone** (800) 255-3924

#### 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



**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

P264 Wash contaminated skin thoroughly after handling.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P302+P352 If on skin: Wash with plenty of water.  
P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.  
P501 Dispose of contents/container in accordance with national regulations.

## EPO-TEK 310M-2 PMF Syringe

**Contains** Bisphenol A Diglycidyl Ether Resin

### 3. Composition/information on ingredients

#### Mixtures

<b>Bisphenol A Diglycidyl Ether Resin</b>	<b>10-30%</b>
CAS number: 25085-99-8	

#### Classification

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

<b>Reactive Diluent</b>	<b>10-30%</b>
CAS number: Proprietary	

#### Classification

Skin Irrit. 2 - H315  
 Eye Dam. 1 - H318  
 Skin Sens. 1 - H317  
 Acute Tox. 4 - H302  
 Acute Tox. 4 - H312  
 Acute Tox. 4 - H332

<b>Curing Agent</b>	<b>1-5%</b>
CAS number: Proprietary	

#### Classification

Skin Corr. 1B - H314  
 Skin Sens. 1 - H317  
 Acute Tox. 4 - H312  
 Eye Dam. 1 - H318  
 Aquatic Chronic 3 - H412

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

### 4. First-aid measures

#### Description of first aid measures

<b>Inhalation</b>	Move affected person to fresh air at once. Rinse nose and mouth with water. Get medical attention if any discomfort continues.
<b>Ingestion</b>	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.
<b>Skin Contact</b>	Remove affected person from source of contamination. Remove contaminated clothing. Wash skin thoroughly with soap and water. Get medical attention if any discomfort continues.
<b>Eye contact</b>	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

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<b>Inhalation</b>	Inhalation of dusts during cutting, grinding or sanding of this product may cause irritation of the respiratory tract.
<b>Ingestion</b>	May cause discomfort if swallowed.
<b>Skin contact</b>	Skin irritation. Allergic rash.
<b>Eye contact</b>	Severe irritation, burning and tearing. Risk of serious damage to eyes.

### 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**    Thermal decomposition or combustion products may include the following substances: Carbon dioxide (CO<sub>2</sub>). Carbon monoxide (CO).

#### Advice for firefighters

**Protective actions during firefighting**    Avoid breathing fire gases or vapors. Use water to keep fire exposed containers cool and disperse vapors.

**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

**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. Keep away from heat, sparks and open flame. Do not eat, drink or smoke when using the product. Provide adequate ventilation.

**Advice on general occupational hygiene**    Do not eat, drink or smoke when using this product. Provide eyewash station. Wash promptly if skin becomes contaminated. Wash contaminated clothing before reuse. Wash after use and before eating, smoking and using the toilet.

#### Conditions for safe storage, including any incompatibilities

**Storage precautions**            Store at -40 degrees C. Keep container tightly sealed when not in use.

**Storage class**                    Chemical storage.

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### Specific end uses(s)

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

### 8. Exposure Controls/personal protection

#### Exposure controls

##### Protective equipment



##### Appropriate engineering controls

Provide adequate general and local exhaust ventilation.

##### Eye/face protection

Wear tight-fitting, chemical splash goggles or face shield.

##### Hand protection

It is recommended that chemical-resistant, impervious gloves are worn.

##### Other skin and body 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.

##### Respiratory protection

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

### 9. Physical and Chemical Properties

#### Information on basic physical and chemical properties

<b>Appearance</b>	Liquid.
<b>Color</b>	Clear.
<b>Odor</b>	Mild.
<b>Flash point</b>	> 93°C
<b>Evaporation rate</b>	<BuAc
<b>Solubility(ies)</b>	No specific test data are available.

### 10. Stability and reactivity

#### Reactivity

The following materials may react violently with the product: Acids. Alkalis. Strong oxidizing agents. Strong reducing agents.

#### Stability

Stable at normal ambient temperatures.

#### Possibility of hazardous reactions

Will not polymerize.

#### Conditions to avoid

Avoid contact with the following materials: Oxidizing agents. Reducing agents. Avoid heat, flames and other sources of ignition. Avoid exposure to high temperatures or direct sunlight.

#### Materials to avoid

Strong acids. Strong alkalis. Strong oxidizing agents. Strong reducing agents.

#### Hazardous decomposition products

Fire creates: Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>).

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### 11. Toxicological information

#### Information on toxicological effects

<b>Inhalation</b>	Gas or vapor in high concentrations may irritate the respiratory system.
<b>Ingestion</b>	May cause discomfort if swallowed.
<b>Skin Contact</b>	May cause sensitisation by skin contact. Irritating to skin.
<b>Eye contact</b>	May cause serious eye damage.

### 12. Ecological Information

<b>Ecotoxicity</b>	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
<b><u>Toxicity</u></b>	
<b>Acute toxicity - fish</b>	Not available.
<b><u>Persistence and degradability</u></b>	
<b>Persistence and degradability</b>	No data available.
<b><u>Bioaccumulative potential</u></b>	
<b>Bio-Accumulative Potential</b>	No data available on bioaccumulation.
<b><u>Mobility in soil</u></b>	
<b>Mobility</b>	No data available.
<b><u>Other adverse effects</u></b>	
<b>Other adverse effects</b>	Not known.

### 13. Disposal considerations

#### Waste treatment methods

<b>Disposal methods</b>	Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.
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### 14. Transport information

<b><u>UN Number</u></b>	
<b>UN No. (DOT)</b>	3082
<b>UN No. (IMDG)</b>	3082
<b>UN No. (ICAO)</b>	3082

## EPO-TEK 310M-2 PMF Syringe

### UN proper shipping name

**Proper shipping name (DOT)** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS Bisphenol A Diglycidyl Ether Resin)

**Proper shipping name (IMDG)** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS Bisphenol A Diglycidyl Ether Resin)

**Proper shipping name (ICAO)** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS Bisphenol A Diglycidyl Ether Resin)

### Transport hazard class(es)

**DOT hazard class** 9

**DOT hazard label** Class 9

**TDG class** 9

**TDG label** 9

**IMDG Class** 9

**IMDG subsidiary risk**

**ICAO class/division** 9

**ICAO subsidiary risk**

### Transport labels



### Packing group

**DOT pack 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 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 required to be listed.

#### **CERCLA/Superfund, Hazardous Substances/Reportable Quantities (EPA)**

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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.

### **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.

#### **Australia - AICS**

All the ingredients are listed or exempt.

#### **Japan - MITI**

Some of the ingredients are listed or exempt.

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### 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

<b>Revision date</b>	7/1/2015
<b>Revision</b>	1
<b>Hazard statements in full</b>	H302 Harmful if swallowed. H312 Harmful in contact with skin. 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. H332 Harmful if inhaled. H411 Toxic to aquatic life with long lasting effects. H412 Harmful to aquatic life with long lasting effects.

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