



## SAFETY DATA SHEET

### EPO-TEK® EV2118-2 PMF Syringe

#### 1. Identification

##### Product identifier

**Product name** EPO-TEK® EV2118-2 PMF Syringe

**Product number** EV2118-2

##### 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** 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** 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

P261 Avoid breathing vapor/ spray.  
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® EV2118-2 PMF Syringe

**Contains** Epoxy Resin Blend, Reactive Diluent, Substituted Imidazole Blend

**Other hazards**

**Hazards not otherwise classified (HNOC)** Contains epoxy constituents. May produce an allergic reaction.

### 3. Composition/information on ingredients

**Substances**

<b>Silver</b>	<b>60-100%</b>
CAS number: 7440-22-4	

<b>Classification</b>
Aquatic Chronic 2 - H411

<b>Epoxy Resin Blend</b>	<b>10-30%</b>
CAS number: Proprietary	

<b>Classification</b>
Skin Irrit. 2 - H315
Eye Irrit. 2A - H319
Skin Sens. 1 - H317

<b>Reactive Diluent</b>	<b>1-5%</b>
CAS number: Proprietary	

<b>Classification</b>
Acute Tox. 4 - H302
Eye Dam. 1 - H318
STOT SE 3 - H336

<b>Substituted Imidazole Blend</b>	<b>1-5%</b>
CAS number: Proprietary	

<b>Classification</b>
Acute Tox. 4 - H302
Skin Irrit. 2 - H315
Eye Dam. 1 - H318
STOT SE 3 - H335

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

**Product name** EPO-TEK® EV2118-2 PMF Syringe

### 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.

## EPO-TEK® EV2118-2 PMF Syringe

**Skin Contact** Remove affected person from source of contamination. Remove contaminated clothing. Wash skin thoroughly with soap and water. Get medical attention if any discomfort continues.

**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

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

**Ingestion** May cause discomfort if swallowed.

**Skin contact** Skin irritation. Allergic rash. May cause sensitisation by skin contact.

**Eye contact** Causes serious eye 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 (CO<sub>2</sub>).

### Special hazards arising from the substance or mixture

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

### 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. Avoid contact with skin and eyes. Keep unnecessary and unprotected personnel away from the spillage.

### 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** Handle all packages and containers carefully to minimize spills. Avoid contact with skin and eyes. Wear protective clothing as described in Section 8 of this safety data sheet.

## EPO-TEK® EV2118-2 PMF Syringe

### Advice on general occupational hygiene

Provide eyewash station. Do not eat, drink or smoke when using this product. Wash promptly with soap and water if skin becomes contaminated. Wash skin thoroughly after handling. Wash contaminated clothing before reuse. Use appropriate skin cream to prevent drying of skin.

### Conditions for safe storage, including any incompatibilities

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

**Storage class** Chemical storage.

### Specific end uses(s)

**Specific end use(s)** The identified uses for this product are detailed in Section 1.

## 8. Exposure Controls/personal protection

### Control parameters

### Occupational exposure limits

#### Silver

Long-term exposure limit (8-hour TWA): ACGIH 0.1 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): ACGIH

ACGIH = American Conference of Governmental Industrial Hygienists.

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

### 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

Provide eyewash station. Do not smoke in work area. Wash 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

**Appearance** Paste.

**Color** Silver.

**Odor** Mild.

**Flash point** > 93°C

**Evaporation rate** < BuAc

## EPO-TEK® EV2118-2 PMF Syringe

**Vapor density** > 1

**Other information** None.

### 10. Stability and reactivity

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

**Stability** Stable at normal ambient temperatures and when used as recommended.

**Possibility of hazardous reactions** May polymerize.

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

**Materials to avoid** Strong oxidizing agents. Strong reducing agents.

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

### 11. Toxicological information

#### Information on toxicological effects

**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.

**Ingestion** May cause discomfort if swallowed.

**Skin Contact** May cause sensitisation by skin contact. Irritating to skin.

**Eye contact** Causes serious eye damage.

### 12. Ecological Information

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

#### Acute aquatic toxicity

**Acute toxicity - fish** No information available.

#### Persistence and degradability

**Persistence and degradability** No data available.

#### Bioaccumulative potential

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

#### Mobility in soil

**Mobility** No data available.

#### Other adverse effects

**Other adverse effects** Not known.

## EPO-TEK® EV2118-2 PMF Syringe

### 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)	3082
UN No. (IMDG)	3082
UN No. (ICAO)	3082
UN No. (DOT)	UN3082

#### UN proper shipping name

**Proper shipping name (TDG)** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS Silver)

**Proper shipping name (IMDG)** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS Silver)

**Proper shipping name (ICAO)** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS Silver)

**Proper shipping name (DOT)** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS Silver)

#### Transport hazard class(es)

DOT hazard class	9
DOT hazard label	9
TDG class	9
TDG label(s)	9
IMDG Class	9
ICAO class/division	9

#### Transport labels



#### DOT transport labels



#### Packing group

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

#### Environmental hazards

## EPO-TEK® EV2118-2 PMF Syringe

### 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

**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)**

The following ingredients are listed or exempt:

*Silver*

1,000 lbs (454 Kg)

#### **SARA Extremely Hazardous Substances EPCRA Reportable Quantities**

None of the ingredients are required to be listed.

#### **SARA 313 Emission Reporting**

The following ingredients are listed or exempt:

*Silver*

#### **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)**

The following ingredients are listed or exempt:

*Silver*

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

None of the ingredients are required to be listed.

#### **Massachusetts "Right To Know" List**

The following ingredients are listed or exempt:

*Silver*

## EPO-TEK® EV2118-2 PMF Syringe

### Rhode Island "Right To Know" List

The following ingredients are listed or exempt:

*Silver*

### Minnesota "Right To Know" List

The following ingredients are listed or exempt:

*Silver*

### New Jersey "Right To Know" List

The following ingredients are listed or exempt:

*Silver*

### Pennsylvania "Right To Know" List

The following ingredients are listed or exempt:

*Silver*

### 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

Some of the ingredients are listed or exempt.

#### Japan - MITI

Some of the ingredients are listed or exempt.

#### Korea - KECI

Some of the ingredients are listed or exempt.

#### China - IECSC

Some of the ingredients are listed or exempt.

#### Philippines - PICCS

Some of the ingredients are listed or exempt.

---

### 16. Other information

**Revision date** 4/3/2018

**Revision** 1



## EPO-TEK® EV2118-2 PMF Syringe

### Hazard statements in full

H302 Harmful if swallowed.  
H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H318 Causes serious eye damage.  
H319 Causes serious eye irritation.  
H335 May cause respiratory irritation.  
H336 May cause drowsiness or dizziness.  
H411 Toxic to aquatic life with long lasting effects.

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.