



## SAFETY DATA SHEET

### EPO-TEK OE138 PMF Syringe

#### 1. Identification

##### Product identifier

**Product name** EPO-TEK OE138 PMF Syringe

**Product number** OE138

##### 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 Repr. 1B - H360 STOT SE 1 - H370

**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.  
H360 May damage fertility or the unborn child.  
H370 Causes damage to organs.  
H411 Toxic to aquatic life with long lasting effects.

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**Precautionary statements**

P270 Do not eat, drink or smoke when using this product.  
 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.

**Contains** Epoxy Phenol Novolac, Substituted Imidazole Blend, Imidazole, Polar Activator

**Other hazards**

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

### 3. Composition/information on ingredients

**Mixtures**

<b>Epoxy Phenol Novolac</b>	<b>60-100%</b>
CAS number: 9003-36-5	
<b>Classification</b>	
Skin Irrit. 2 - H315	
Eye Irrit. 2 - H319	
Skin Sens. 1 - H317	
Aquatic Chronic 2 - H411	
<b>Substituted Imidazole Blend</b>	<b>5-10%</b>
CAS number: Proprietary	
<b>Classification</b>	
Acute Tox. 4 - H302	
Skin Irrit. 2 - H315	
Eye Dam. 1 - H318	
<b>Imidazole</b>	<b>1-5%</b>
CAS number: 288-32-4	
<b>Classification</b>	
Acute Tox. 4 - H302	
Skin Corr. 1B - H314	
Eye Dam. 1 - H318	
Repr. 1B - H360	

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<b>Polar Activator</b>	<b>1-5%</b>
CAS number: Proprietary	
<b>Classification</b>	
Flam. Liq. 2 - H225	
Acute Tox. 3 - H301	
Acute Tox. 3 - H311	
Acute Tox. 3 - H331	
STOT SE 1 - H370	

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

<b>General information</b>	May damage fertility or the unborn child. Causes damage to organs.
<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>	May cause discomfort if swallowed.
<b>Skin contact</b>	Skin irritation. May cause sensitization by skin contact.
<b>Eye contact</b>	Causes serious eye damage.

#### 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>	Extinguish with the following media: Dry chemicals. Foam. Carbon dioxide (CO2).
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#### Special hazards arising from the substance or mixture

<b>Hazardous combustion products</b>	Oxides of carbon. Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors.
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#### Advice for firefighters

<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

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**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. Avoid inhalation of vapors. Provide adequate ventilation.

### Conditions for safe storage, including any incompatibilities

**Storage precautions** Store at -40 degrees C.

**Storage class** Chemical storage.

### 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

### Control parameters

### Occupational exposure limits

#### Polar Activator

Long-term exposure limit (8-hour TWA): ACGIH 200 ppm

Short-term exposure limit (15-minute): ACGIH 250 ppm

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 ventilation.

**Eye/face protection** Wear tight-fitting, 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.

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<b>Hygiene measures</b>	Provide eyewash station. 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.
<b>Respiratory protection</b>	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>	Paste.
<b>Color</b>	Tan.
<b>Odor</b>	Mild.
<b>Flash point</b>	> 93°C
<b>Evaporation rate</b>	< BuAc
<b>Vapor density</b>	> Air
<b>Solubility(ies)</b>	Slightly soluble in water.
<b>Other information</b>	None.

### 10. Stability and reactivity

<b>Reactivity</b>	The following materials may react violently with the product: Strong oxidizing agents. Strong reducing agents.
<b>Stability</b>	Stable at normal ambient temperatures.
<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 oxidizing agents. Strong reducing agents.
<b>Hazardous decomposition products</b>	Fire creates: Carbon monoxide (CO). Carbon dioxide (CO <sub>2</sub> ).

### 11. Toxicological information

#### Information on toxicological effects

<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.
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<b>Ingestion</b>	May cause discomfort if swallowed.
<b>Skin Contact</b>	May cause sensitization by skin contact. Irritating to skin.
<b>Eye contact</b>	Causes serious eye damage.
<b>Acute and chronic health hazards</b>	May damage fertility or the unborn child. Causes damage to organs.

### 12. Ecological Information

<b>Ecotoxicity</b>	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
<b>Toxicity</b>	
<b>Toxicity</b>	Very toxic to aquatic organisms.
<b>Persistence and degradability</b>	
<b>Persistence and degradability</b>	No data available.
<b>Bioaccumulative potential</b>	
<b>Bio-Accumulative Potential</b>	No data available on bioaccumulation.
<b>Mobility in soil</b>	
<b>Mobility</b>	The product has poor water-solubility.
<b>Other adverse effects</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>UN Number</b>	
<b>UN No. (DOT)</b>	3082
<b>UN No. (TDG)</b>	3082
<b>UN No. (IMDG)</b>	3082
<b>UN No. (ICAO)</b>	3082
<b>UN proper shipping name</b>	
<b>Proper shipping name (DOT)</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS Epoxy Phenol Novolac)
<b>Proper shipping name (TDG)</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS Epoxy Phenol Novolac)
<b>Proper shipping name (IMDG)</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS Epoxy Phenol Novolac)

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

**Transport hazard class(es)**

**TDG class** 9

**TDG label** 9

**IMDG Class** 9

**ICAO class/division** 9

**Transport labels**



**Packing group**

**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 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:

**Polar Activator**

5,000 lbs (2270 Kg)

**SARA Extremely Hazardous Substances EPCRA Reportable Quantities**

None of the ingredients are required to be listed.

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### **SARA 313 Emission Reporting**

The following ingredients are listed or exempt:

**Polar Activator**

### **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**

WARNING: This product contains a substance known to the State of California to cause cancer and/or reproductive harm.

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

The following ingredients are listed or exempt:

**Polar Activator**

#### **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:

**Polar Activator**

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

The following ingredients are listed or exempt:

**Polar Activator**

#### **Minnesota "Right To Know" List**

The following ingredients are listed or exempt:

**Polar Activator**

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

The following ingredients are listed or exempt:

**Polar Activator**

#### **Pennsylvania "Right To Know" List**

The following ingredients are listed or exempt:

**Polar Activator**

### **Inventories**

#### **EU - EINECS/ELINCS**

Some of the ingredients are listed or exempt.

#### **Canada - DSL/NDSL**

All the ingredients are listed or exempt.



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### 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 - 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

<b>Revision date</b>	5/18/2016
<b>Revision</b>	1
<b>Hazard statements in full</b>	<p>H225 Highly flammable liquid and vapor.  H301 Toxic if swallowed.  H302 Harmful if swallowed.  H311 Toxic 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.  H331 Toxic if inhaled.  H360 May damage fertility or the unborn child.  H370 Causes damage to organs.  H411 Toxic to aquatic life with long lasting effects.</p>

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