



## SAFETY DATA SHEET EPO-TEK ED1020

### 1. Identification

#### Product identifier

Product name EPO-TEK ED1020

Product number ED1020

#### 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 Carc. 2 - H351

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.  
H351 Suspected of causing cancer.  
H411 Toxic to aquatic life with long lasting effects.

## EPO-TEK ED1020

<b>Precautionary statements</b>	<p>P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.</p> <p>P302+P352 If on skin: Wash with plenty of water.</p> <p>P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>P333+P313 If skin irritation or rash occurs: Get medical advice/ attention.</p> <p>P362+P364 Take off contaminated clothing and wash it before reuse.</p> <p>P501 Dispose of contents/ container in accordance with national regulations.</p>
<b>Contains</b>	Silver, Reactive Diluent, Epoxy Resin Blend, Accelerator, Antioxidant
<b>Other hazards</b>	
<b>Hazards not otherwise classified (HNOC)</b>	Contains epoxy constituents. May produce an allergic reaction.

### 3. Composition/information on ingredients

#### Mixtures

<b>Silver</b>	<b>30-60%</b>
CAS number: 7440-22-4	
<b>Classification</b>	
Aquatic Chronic 2 - H411	
<b>Reactive Diluent</b>	<b>10-30%</b>
CAS number: Proprietary	
<b>Classification</b>	
Acute Tox. 4 - H302	
Acute Tox. 4 - H312	
Acute Tox. 4 - H332	
Skin Irrit. 2 - H315	
Eye Dam. 1 - H318	
Skin Sens. 1 - H317	
<b>Epoxy Resin Blend</b>	<b>10-30%</b>
CAS number: Proprietary	
<b>Classification</b>	
Acute Tox. 5 - H303	
Skin Irrit. 2 - H315	
Eye Irrit. 2 - H319	
Aquatic Chronic 2 - H411	
<b>Accelerator</b>	<b>&lt;1%</b>
CAS number: Proprietary	
<b>Classification</b>	
Acute Tox. 4 - H302	
Carc. 2 - H351	
Aquatic Chronic 1 - H410	

**EPO-TEK ED1020**

<b>Antioxidant</b>	<b>&lt;1%</b>
CAS number: Proprietary	
<b>Classification</b>	
Acute Tox. 4 - H302	
Eye Dam. 1 - H318	
Skin Sens. 1 - H317	
Muta. 2 - H341	
Carc. 2 - H351	
Aquatic Acute 1 - H400	

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 and keep warm and at rest in a position comfortable for breathing. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen. Get medical attention if symptoms are severe or persist.
<b>Ingestion</b>	Rinse nose and mouth with water. Give plenty of water to drink. Never give anything by mouth to an unconscious person. Do not induce vomiting unless under the direction of medical personnel. Get medical attention if symptoms are severe or persist.
<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 any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

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

<b>General information</b>	Contains a substance which may be potentially carcinogenic.
<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>	Causes 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.
-----------------------------	------------------------

**5. Fire-fighting measures****Extinguishing media**

**Suitable extinguishing 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 products may include the following substances: Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>).

**Advice for firefighters**

## EPO-TEK ED1020

<b>Protective actions during firefighting</b>	Avoid breathing fire gases or vapors. Use water to keep fire exposed containers cool and disperse vapors.
<b>Special protective equipment for firefighters</b>	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**        Provide adequate ventilation. Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. Absorb in vermiculite, dry sand or earth and place into containers.

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

**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 after use and before eating, smoking and using the toilet. 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 degrees C. Keep container tightly sealed when not in use.

#### 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

##### **Silver**

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

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

##### **Accelerator**

Long-term exposure limit (8-hour TWA): ACGIH 10 mg/m<sup>3</sup>

##### **Antioxidant**

Long-term exposure limit (8-hour TWA): ACGIH 1 mg/m<sup>3</sup>

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

ACGIH = American Conference of Governmental Industrial Hygienists.

#### Exposure controls

## EPO-TEK ED1020

### Protective equipment



<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>Other skin and body protection</b>	Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapor contact.
<b>Hygiene measures</b>	Do not smoke in work area. Wash hands at the end of each work shift and before eating, smoking and using the toilet. Wash promptly with soap and water if skin becomes contaminated. Promptly remove any clothing that becomes contaminated. 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>	Silver.
<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 with the product: Strong oxidizing agents.
<b>Stability</b>	Stable at normal ambient temperatures.
<b>Possibility of hazardous reactions</b>	Will not polymerize.
<b>Conditions to avoid</b>	Avoid heat, flames and other sources of ignition.
<b>Materials to avoid</b>	Strong oxidizing agents.
<b>Hazardous decomposition products</b>	Heating may generate the following products: Toxic gases/vapors/fumes of: Carbon dioxide (CO <sub>2</sub> ). Carbon monoxide (CO).

## 11. Toxicological information

### Information on toxicological effects

**EPO-TEK ED1020**

<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>	Causes skin irritation.
<b>Eye contact</b>	Causes serious eye damage.
<b>Acute and chronic health hazards</b>	Contains a substance which may be potentially carcinogenic.

**12. Ecological Information**

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

**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.

**Mobility in soil**

**Mobility** No data available.

**Other adverse effects**

**Other adverse effects** Not known.

**13. Disposal considerations****Waste treatment methods**

**General information** 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

**EPO-TEK ED1020**

<b>UN No. (ICAO)</b>	3082
<b><u>UN proper shipping name</u></b>	
<b>Proper shipping name (DOT)</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS Epoxy Resin Blend, Silver)
<b>Proper shipping name (TDG)</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS Epoxy Resin Blend, Silver)
<b>Proper shipping name (IMDG)</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS Epoxy Resin Blend, Silver)
<b>Proper shipping name (ICAO)</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS Epoxy Resin Blend, Silver)

**Transport hazard class(es)**

<b>TDG class</b>	9
<b>TDG label</b>	9
<b>IMDG Class</b>	9
<b>ICAO class/division</b>	9

**Transport labels****Packing group**

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

**Environmental hazards****Environmentally Hazardous Substance****Special precautions for user**

<b>EmS</b>	F-A, S-F
------------	----------

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

**15. Regulatory information****International Regulations**

**Additional 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**

## EPO-TEK ED1020

### SARA Section 302 Extremely Hazardous Substances Tier II Threshold Planning Quantities

The following ingredients are listed or exempt:

#### Antioxidant

EPCRA 302 TPQ

10 000 lbs

500 lbs

Tier II TPQ 500 lbs

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

The following ingredients are listed or exempt:

#### Antioxidant

100 lbs (45.4 Kg)

#### Accelerator

100 lbs (45.4 Kg)

#### 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

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:

#### Antioxidant

#### 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:

#### Antioxidant

#### Accelerator

#### Silver



## EPO-TEK ED1020

### Rhode Island "Right To Know" List

The following ingredients are listed or exempt:

**Antioxidant**

**Accelerator**

**Silver**

### Minnesota "Right To Know" List

The following ingredients are listed or exempt:

**Antioxidant**

**Accelerator**

**Silver**

### New Jersey "Right To Know" List

The following ingredients are listed or exempt:

**Antioxidant**

**Accelerator**

**Silver**

### Pennsylvania "Right To Know" List

The following ingredients are listed or exempt:

**Antioxidant**

**Accelerator**

**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**

All the ingredients are listed or exempt.

#### **Japan - MITI**

Some of the ingredients are listed or exempt.

## EPO-TEK ED1020

### 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>	5/16/2016
<b>Revision</b>	1
<b>Hazard statements in full</b>	<p>H302 Harmful if swallowed.  H303 May be 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.  H341 Suspected of causing genetic defects.  H351 Suspected of causing cancer.  H400 Very toxic to aquatic life.  H410 Very toxic to aquatic life with long lasting effects.  H411 Toxic to aquatic life with long lasting effects.</p>

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.