

# SAFETY DATA SHEET (SDS)



**Manufacturer:**  
Epoxy Technology

**Product Name:**  
EPO-TEK® 320LV Opaque Epoxy, Room Temperature Cure (2.5g)

**Manufacturer Part Number:**  
ET320LV-2.5G

▶ [Click here for more details on the EPO-TEK® 320LV Opaque Epoxy, Room Temperature Cure \(2.5g\)](#)

Revision date: 6/26/2017

Revision: 2

Supersedes date: 11/5/2014



## SAFETY DATA SHEET EPO-TEK 320-LV Part A

### 1. Identification

Product identifier

**Product name** EPO-TEK 320-LV Part A  
**Product number** 320LV/A

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](http://www.epotek.com), [SDS@epotek.com](mailto: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** Acute Tox. 4 - H302 Acute Tox. 4 - H332 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** H302+H332 Harmful if swallowed or if inhaled.  
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.

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## EPO-TEK 320-LV Part A

**Precautionary statements**  
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.  
P301+P312 If swallowed: Call a poison center/ doctor if you feel unwell.  
P302+P352 If on skin: Wash with plenty of water.  
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.

**Contains** Bisphenol A Diglycidyl Ether Resin, Reactive Diluent

**Other hazards**  
Harmful dust may be released during cutting or grinding process.

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

### 3. Composition/information on ingredients

#### Mixtures

Bisphenol A Diglycidyl Ether Resin CAS number: 25085-99-8	60-100%
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<b>Classification</b> Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Skin Sens. 1 - H317 Aquatic Chronic 2 - H411	
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Reactive Diluent CAS number: Proprietary	10-30%
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<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	
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Carbon Black* CAS number: 1333-86-4	10-30%
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<b>Classification</b> Carc. 2 - H351	
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The full text for all hazard statements is displayed in Section 16.

**Ingredient notes** \*This product contains Carbon Black, which is suspected of causing cancer when inhaled in fine particulate form. Carbon Black should not be respirable in this formulation. However, if cured material will be ground, milled, etc., wear respiratory protection to avoid inhaling any dust that may be produced.

### 4. First-aid measures

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## EPO-TEK 320-LV Part A

### 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.
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	Inhalation of dusts during cutting, grinding or sanding of this product may cause irritation of the respiratory tract. Vapors may cause headache, fatigue, dizziness and nausea.
Ingestion	Harmful if swallowed. May cause stomach pain or vomiting. May cause chemical burns in mouth, esophagus and stomach.
Skin contact	Skin irritation. Allergic rash. Blistering may occur.
Eye contact	Severe irritation, burning and tearing. Corneal damage.

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

Notes for the doctor	Treat symptomatically.
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### 5. Fire-fighting measures

#### Extinguishing media

Suitable extinguishing media	Extinguish with the following media: Dry chemicals. Foam. Carbon dioxide (CO <sub>2</sub> ).
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#### Special hazards arising from the substance or mixture

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

Protective actions during firefighting	Avoid breathing fire gases or vapors.
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Special protective equipment for firefighters	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

Personal precautions	Wear protective clothing as described in Section 8 of this safety data sheet.
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#### Environmental precautions

Environmental precautions	Do not discharge into drains or watercourses or onto the ground. Avoid release to the environment.
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#### 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.
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Reference to other sections	For personal protection, see Section 8.
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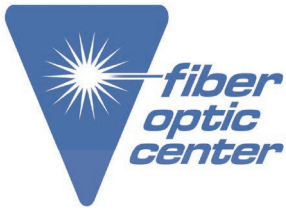
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## EPO-TEK 320-LV Part A

### 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.

##### 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 room temperature. 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

##### Carbon Black\*

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

Long-term exposure limit (8-hour TWA): 3

A3

Long-term exposure limit (8-hour TWA): OSHA 3.5 mg/m<sup>3</sup>

ACGIH = American Conference of Governmental Industrial Hygienists.

A3 = Confirmed Animal Carcinogen with Unknown Relevance to Humans.

OSHA = Occupational Safety and Health Administration.

#### Ingredient comments

\*This product contains Carbon Black, which is suspected of causing cancer when inhaled in fine particulate form. Carbon Black should not be respirable in this formulation. However, if cured material will be ground, milled, etc., wear respiratory protection to avoid inhaling any dust that may be produced.

#### 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.

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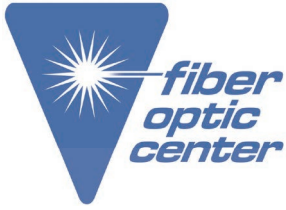
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## EPO-TEK 320-LV Part A

### 9. Physical and Chemical Properties

#### Information on basic physical and chemical properties

Appearance	Paste.
Color	Black.
Odor	Mild.
Flash point	> 93°C
Evaporation rate	<BuAc
Vapor density	>1
Solubility(ies)	Slightly soluble in water.
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	Will not 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

#### Toxicological information on ingredients.

#### Carbon Black\*

#### Carcinogenicity

IARC carcinogenicity	IARC Group 2B Possibly carcinogenic to humans.
NTP carcinogenicity	Reasonably anticipated to be a human carcinogen.
OSHA Carcinogenicity	Not listed.

#### Carcinogenicity Carcinogenicity

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## EPO-TEK 320-LV Part A

<b>Inhalation</b>	Harmful if inhaled. Inhalation of dust during cutting, grinding or sanding operations involving this product may cause irritation of the respiratory tract. Vapors may cause headache, fatigue, dizziness and nausea.
<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>	May cause sensitisation by skin contact. Irritating to skin.
<b>Eye contact</b>	Causes serious eye damage.

### 12. Ecological Information

<b>Ecotoxicity</b>	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
<b>Acute toxicity - fish</b>	Not available.
<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

**Disposal methods** Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

### 14. Transport information

<b>UN Number</b>	
<b>UN No. (TDG)</b>	3082
<b>UN No. (IMDG)</b>	3082
<b>UN No. (ICAO)</b>	3082
<b>UN No. (DOT)</b>	UN3082
<b>UN proper shipping name</b>	

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## EPO-TEK 320-LV Part A

**Proper shipping name (TDG)** 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)

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

### 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

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

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## EPO-TEK 320-LV Part A

**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 listed.

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

SARA Extremely Hazardous Substances EPCRA Reportable Quantities  
None of the ingredients are listed.

SARA 313 Emission Reporting  
None of the ingredients are listed.

CAA Accidental Release Prevention  
None of the ingredients are listed.

OSHA Highly Hazardous Chemicals  
None of the ingredients are 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)  
None of the ingredients are listed.

California Air Toxics "Hot Spots" (A-II)  
None of the ingredients are listed.

Massachusetts "Right To Know" List  
The following ingredients are listed:  
*Carbon Black*

Rhode Island "Right To Know" List  
The following ingredients are listed:  
*Carbon Black*

Minnesota "Right To Know" List  
The following ingredients are listed:  
*Carbon Black*

New Jersey "Right To Know" List  
The following ingredients are listed:  
*Carbon Black*

Pennsylvania "Right To Know" List  
The following ingredients are listed:  
*Carbon Black*

### Inventories

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## EPO-TEK 320-LV Part A

### 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.

### 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

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**Hazard statements in full**

H302 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.  
H351 Suspected of causing cancer.  
H411 Toxic to aquatic life with long lasting effects.

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