



## SAFETY DATA SHEET EPO-TEK B9021-14

### 1. Identification

#### Product identifier

**Product name** EPO-TEK B9021-14

**Product number** B9021-14

#### 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 Corr. 1B - H314 Eye Dam. 1 - H318 STOT SE 3 - H335

**Environmental hazards** Not Classified

#### Label elements

##### Pictogram



**Signal word** Danger

**Hazard statements** H314 Causes severe skin burns and eye damage.  
H335 May cause respiratory irritation.

**Precautionary statements** P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.  
P301+P330+P331 If swallowed: Rinse mouth. Do NOT induce vomiting.  
P303+P361+P353 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.  
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.

## EPO-TEK B9021-14

**Contains** Epoxy Novolac Resin, Diluent

### Other hazards

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

### 3. Composition/information on ingredients

#### Mixtures

<b>Epoxy Novolac Resin</b>	<b>30-60%</b>
----------------------------	---------------

CAS number: 29690-82-2

#### **Classification**

Skin Irrit. 2 - H315  
Eye Irrit. 2A - H319  
STOT SE 3 - H335

<b>Diluent</b>	<b>5-10%</b>
----------------	--------------

CAS number: Proprietary

#### **Classification**

Acute Tox. 4 - H312  
Acute Tox. 4 - H332  
Skin Corr. 1B - H314  
Eye Dam. 1 - H318

<b>Diluent</b>	<b>1-5%</b>
----------------	-------------

CAS number: Proprietary

#### **Classification**

Flam. Liq. 2 - H225  
Acute Tox. 4 - H312  
Acute Tox. 4 - H332  
Skin Irrit. 2 - H315

<b>Ethyl Benzene</b>	<b>&lt;1%</b>
----------------------	---------------

CAS number: 100-41-4

#### **Classification**

Flam. Liq. 2 - H225  
Acute Tox. 4 - H332  
STOT RE 2 - H373  
Asp. Tox. 1 - H304

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

### 4. First-aid measures

#### Description of first aid measures

## EPO-TEK B9021-14

<b>Inhalation</b>	Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Rinse nose and mouth with water. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen. Place unconscious person on their side in the recovery position and ensure breathing can take place. Never give anything by mouth to an unconscious person. Get medical attention if symptoms are severe or persist.
<b>Ingestion</b>	Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Rinse nose and mouth with water. Give plenty of water to drink. Do not induce vomiting unless under the direction of medical personnel. Never give anything by mouth to an unconscious person. Get medical attention if symptoms are severe or persist.
<b>Skin Contact</b>	Remove contaminated clothing immediately and wash skin with soap and water. Continue to rinse for at least 10 minutes. Get medical attention if symptoms are severe or persist.
<b>Eye contact</b>	Rinse immediately with plenty of water. 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>Inhalation</b>	May cause respiratory irritation.
<b>Ingestion</b>	May cause discomfort if swallowed.
<b>Skin contact</b>	Causes severe burns.
<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

**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** Avoid inhalation of vapors and contact with skin and eyes. Keep unnecessary and unprotected personnel away from the spillage. Wear protective clothing as described in Section 8 of this safety data sheet.

### Environmental precautions

**Environmental precautions** Avoid discharge to the aquatic environment.

### Methods and material for containment and cleaning up

## EPO-TEK B9021-14

**Methods for cleaning up** Stop leak if safe to do so. Eliminate all sources of ignition. Absorb spillage with sand or other inert absorbent. Collect spillage for reclamation or disposal in sealed containers via a licensed waste contractor. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Do not empty into drains.

**Reference to other sections** For personal protection, see Section 8.

### 7. Handling and storage

#### Precautions for safe handling

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

**Advice on general occupational hygiene** Provide eyewash station and safety shower. 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 in a refrigerator.

#### 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

##### **Diluent**

Long-term exposure limit (8-hour TWA): ACGIH 100 ppm

Short-term exposure limit (15-minute): ACGIH 150 ppm

##### **Ethyl Benzene**

Long-term exposure limit (8-hour TWA): ACGIH 20 ppm 87 mg/m<sup>3</sup>

A3

Long-term exposure limit (8-hour TWA): OSHA 100 ppm 435 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.

#### Exposure controls

##### **Protective equipment**



### 9. Physical and Chemical Properties

#### Information on basic physical and chemical properties

**Appearance** Paste.

**Color** Yellow.

**Odor** Pungent.

**Flash point** > 93°C

**EPO-TEK B9021-14**

**Evaporation rate** < BuAc

**Other information** None.

**10. Stability and reactivity**

**Reactivity** The following materials may react with the product: Strong acids. Strong alkalis.

**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 acids. Strong alkalis.

**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** May cause respiratory irritation.

**Ingestion** May cause discomfort if swallowed.

**Skin Contact** Causes severe burns.

**Eye contact** Causes serious eye damage.

**12. Ecological Information**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.

**EPO-TEK B9021-14****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)** 1760  
**UN No. (TDG)** 1760  
**UN No. (IMDG)** 1760  
**UN No. (ICAO)** 1760

**UN proper shipping name**

**Proper shipping name (DOT)** CORROSIVE LIQUID, N.O.S. (CONTAINS Diluent)

**Proper shipping name (TDG)** CORROSIVE LIQUID, N.O.S. (CONTAINS Diluent)

**Proper shipping name (IMDG)** CORROSIVE LIQUID, N.O.S. (CONTAINS Diluent)

**Proper shipping name (ICAO)** CORROSIVE LIQUID, N.O.S. (CONTAINS Diluent)

**Transport hazard class(es)**

**TDG class** 8  
**TDG label** 8  
**IMDG Class** 8  
**ICAO class/division** 8

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

**DOT pack group** II  
**TDG Packing Group** II  
**IMDG packing group** II  
**ICAO packing group** II

**Environmental hazards**

**Environmentally Hazardous Substance**  
 No.

**Special precautions for user**

**EmS** F-A, S-B

## EPO-TEK B9021-14

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:

###### **Diluent**

100 lbs (45.4 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:

###### **Ethyl Benzene**

###### **Diluent**

##### **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:

###### **Diluent**

##### **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:

###### **Diluent**

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

The following ingredients are listed or exempt:

###### **Diluent**

## EPO-TEK B9021-14

### Minnesota "Right To Know" List

The following ingredients are listed or exempt:

**Diluent**

### New Jersey "Right To Know" List

The following ingredients are listed or exempt:

**Diluent**

### Pennsylvania "Right To Know" List

The following ingredients are listed or exempt:

**Diluent**

### 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

All the ingredients are listed or exempt.

#### China - IECSC

Some of the ingredients are listed or exempt.

#### Philippines - PICCS

All the ingredients are listed or exempt.

### 16. Other information

<b>Revision date</b>	5/25/2016
<b>Revision</b>	1



## EPO-TEK B9021-14

### Hazard statements in full

H225 Highly flammable liquid and vapor.  
H304 May be fatal if swallowed and enters airways.  
H312 Harmful in contact with skin.  
H314 Causes severe skin burns and eye damage.  
H315 Causes skin irritation.  
H318 Causes serious eye damage.  
H319 Causes serious eye irritation.  
H332 Harmful if inhaled.  
H335 May cause respiratory irritation.  
H373 May cause damage to organs (Hearing organs) through prolonged or repeated exposure.

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.