



## SAFETY DATA SHEET EPO-TEK OG178

### 1. Identification

#### Product identifier

Product name EPO-TEK OG178

Product number OG178

#### 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 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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|                                 |  |
|---------------------------------|--|
| <b>Precautionary statements</b> | <p>P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.</p> <p>P301+P312 If swallowed: Call a poison center/ doctor if you feel unwell.</p> <p>P302+P352 If on skin: Wash with plenty of water.</p> <p>P304+P340 If inhaled: Remove person to fresh air and keep comfortable for breathing.</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>P501 Dispose of contents/ container in accordance with national regulations.</p> |
|---------------------------------|--|

### Other hazards

|  |  |
|--|--|
| <b>Hazards not otherwise classified (HNOC)</b> | Contains epoxy constituents. May produce an allergic reaction. |
|--|--|

### 3. Composition/information on ingredients

#### Mixtures

|   |               |
|---|---------------|
| <b>Bisphenol A Diglycidyl Ether Resin</b> | <b>30-60%</b> |
| CAS number: 25085-99-8                    |               |
| <b>Classification</b>                     |               |
| Skin Irrit. 2 - H315                      |               |
| Eye Irrit. 2 - H319                       |               |
| Skin Sens. 1 - H317                       |               |
| 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                       |               |

The full text for all hazard statements is 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

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|                     |   |
|---------------------|---|
| <b>Inhalation</b>   | Harmful if inhaled. Vapors may cause headache, fatigue, dizziness and nausea. Inhalation of dust during cutting, grinding or sanding operations involving this product may cause irritation of the respiratory tract. |
| <b>Ingestion</b>    | Harmful if swallowed. May cause stomach pain or vomiting. May cause chemical burns in mouth, esophagus and stomach.   |
| <b>Skin contact</b> | Causes skin irritation. May cause sensitisation by skin contact.  |
| <b>Eye contact</b>  | 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**    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. Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk.

**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.

#### 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. Wear protective clothing as described in Section 8 of this safety data sheet. Avoid inhalation of vapors/spray and contact with skin and eyes.

#### Conditions for safe storage, including any incompatibilities

**Storage precautions**                      Store in a refrigerator. Keep container tightly sealed when not in use.

**Storage class**                      Chemical storage.

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### 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

**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 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.

**Respiratory protection** 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>        | Liquid.                    |
| <b>Color</b>             | Orange.                    |
| <b>Odor</b>              | Slight.                    |
| <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

**Reactivity** The following materials may react 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.

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

**11. Toxicological information****Information on toxicological effects**

|                     |   |
|---------------------|---|
| <b>Inhalation</b>   | Harmful if inhaled. Vapors may cause headache, fatigue, dizziness and nausea. Inhalation of dust during cutting, grinding or sanding operations involving this product may cause irritation of the respiratory tract. |
| <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><u>Toxicity</u></b>                           |   |
| <b>Acute toxicity - fish</b>                     | Not available.  |
| <b><u>Persistence and degradability</u></b>      |   |
| <b>Persistence and degradability</b>             | No data available.  |
| <b><u>Bioaccumulative potential</u></b>          |   |
| <b>Bio-Accumulative Potential</b>                | No data available on bioaccumulation.   |
| <b><u>Mobility in soil</u></b>                   |   |
| <b>Mobility</b>                                  | The product has poor water-solubility.  |
| <b><u>Results of PBT and vPvB assessment</u></b> |   |
| <b><u>Other adverse effects</u></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. |
|-------------------------|---|

## EPO-TEK OG178

**14. Transport information**

**UN Number**

|                      |        |
|----------------------|--------|
| <b>UN No. (TDG)</b>  | 3082   |
| <b>UN No. (IMDG)</b> | 3082   |
| <b>UN No. (ICAO)</b> | 3082   |
| <b>UN No. (DOT)</b>  | UN3082 |

**UN proper shipping name**

|                                    |  |
|------------------------------------|--|
| <b>Proper shipping name (TDG)</b>  | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS Bisphenol A Diglycidyl Ether Resin)  |
| <b>Proper shipping name (IMDG)</b> | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS Bisphenol A Diglycidyl Ether Resin)  |
| <b>Proper shipping name (ICAO)</b> | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS Bisphenol A Diglycidyl Ether Resin)  |
| <b>Proper shipping name (DOT)</b>  | ENVIRONMENTALLY HAZARDOUS SUBSTANCES, LIQUID, N.O.S. (CONTAINS Bisphenol A Diglycidyl Ether Resin) |

**Transport hazard class(es)**

|                            |   |
|----------------------------|---|
| <b>DOT hazard class</b>    | 9 |
| <b>DOT hazard label</b>    | 9 |
| <b>TDG class</b>           | 9 |
| <b>TDG label(s)</b>        | 9 |
| <b>IMDG Class</b>          | 9 |
| <b>ICAO class/division</b> | 9 |

**Transport labels**



**DOT transport labels**



**Packing group**

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

**Environmental hazards**

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### 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.

#### International Regulations

##### 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)**

None of the ingredients are required to be listed.

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

None of the ingredients are required to be listed.

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

None of the ingredients are required to be listed.

###### **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)**

None of the ingredients are required to be listed.

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

None of the ingredients are required to be listed.

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

None of the ingredients are required to be listed.

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

None of the ingredients are required to be listed.

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

None of the ingredients are required to be listed.

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### New Jersey "Right To Know" List

None of the ingredients are required to be listed.

### Pennsylvania "Right To Know" List

None of the ingredients are required to be listed.

### 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

All the ingredients are listed or exempt.

#### Philippines - PICCS

Some of the ingredients are listed or exempt.

### 16. Other information

|                                  |  |
|----------------------------------|--|
| <b>Revision date</b>             | 12/2/2016  |
| <b>Hazard statements in full</b> | H302 Harmful if swallowed.<br>H312 Harmful in contact with skin.<br>H315 Causes skin irritation.<br>H317 May cause an allergic skin reaction.<br>H318 Causes serious eye damage.<br>H319 Causes serious eye irritation.<br>H332 Harmful if inhaled.<br>H411 Toxic to aquatic life with long lasting effects. |

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