# SAFETY DATA SHEET

**EPO-TEK EK1000-1-D**

## 1. Identification

<table>
<thead>
<tr>
<th>Product identifier</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Product name</strong></td>
<td>EPO-TEK EK1000-1-D</td>
</tr>
<tr>
<td><strong>Product number</strong></td>
<td>EK1000-1-D</td>
</tr>
</tbody>
</table>

**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

<table>
<thead>
<tr>
<th>Physical hazards</th>
<th>Not Classified</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Health hazards</strong></td>
<td>Skin Corr. 1B - H314 Eye Dam. 1 - H318 Skin Sens. 1 - H317</td>
</tr>
<tr>
<td><strong>Environmental hazards</strong></td>
<td>Aquatic Chronic 2 - H411</td>
</tr>
</tbody>
</table>

### Label elements

**Pictogram**

- ![](image)

**Signal word** Danger

**Hazard statements**

- H314 Causes severe skin burns and eye damage.
- H317 May cause an allergic skin reaction.
- H411 Toxic to aquatic life with long lasting effects.

**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 EK1000-1-D

Contains
Diluent, Epoxy Phenol Novolac

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

3. Composition/Information on ingredients

Mixtures

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Silver</td>
<td>60-100%</td>
</tr>
<tr>
<td>CAS number: 7440-22-4</td>
<td></td>
</tr>
<tr>
<td>Classification</td>
<td></td>
</tr>
<tr>
<td>Aquatic Chronic 2 - H411</td>
<td></td>
</tr>
</tbody>
</table>

| Diluent                | 5-10%      |
| CAS number: Proprietary |          |
| Classification         |            |
| Acute Tox. 4 - H312    |            |
| Acute Tox. 4 - H332    |            |
| Skin Corr. 1B - H314   |            |
| Eye Dam. 1 - H318      |            |

| Epoxy Phenol Novolac   | 5-10%      |
| CAS number: 9003-36-5  |            |
| Classification         |            |
| Skin Irrit. 2 - H315   |            |
| Eye Irrit. 2 - H319    |            |
| Skin Sens. 1 - H317    |            |
| Aquatic Chronic 2 - H411 |          |

| Specialty Epoxy Resin  | 1-5%       |
| CAS number: Proprietary |          |
| Classification         |            |
| Skin Irrit. 2 - H315   |            |
| Eye Irrit. 2 - H319    |            |

| Specialty Epoxy Resin  | 1-5%       |
| CAS number: Proprietary |          |
| Classification         |            |
| Acute Tox. 4 - H302    |            |
| Skin Irrit. 2 - H315   |            |
| Eye Irrit. 2 - H319    |            |
| STOT SE 3 - H335       |            |

The full text for all hazard statements is displayed in Section 16.
### 4. First-aid measures

**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**
Gas or vapor in high concentrations may irritate the respiratory system. Inhalation of dust during cutting, grinding or sanding operations involving this product may cause irritation of the respiratory tract.

**Ingestion**
May cause discomfort if swallowed.

**Skin contact**
Causes severe burns. May cause sensitisation by skin contact.

**Eye contact**
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 (CO2).

**Special hazards arising from the substance or mixture**

**Hazardous combustion products**
Thermal decomposition or combustion products may include the following substances: Carbon dioxide (CO2). Carbon monoxide (CO).

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

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

Advice on general occupational hygiene
Provide eyewash station and safety shower. Do not eat, drink or smoke when using this product. Wash after use and before eating, smoking and using the toilet. Wash contaminated clothing before reuse.

Conditions for safe storage, including any incompatibilities

Storage precautions
Store at -40°C. Keep container tightly sealed when not in use.

Storage class
Chemical storage.

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

Silver
Long-term exposure limit (8-hour TWA): ACGIH 0.1 mg/m³
Short-term exposure limit (15-minute): ACGIH
ACGIH = American Conference of Governmental Industrial Hygienists.

Exposure controls

Protective equipment

Appropriate engineering controls
Provide adequate general and local exhaust ventilation. Avoid inhalation of vapors.

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.

9. Physical and Chemical Properties

Information on basic physical and chemical properties

Appearance
Paste.

Color
Silver.

Flash point
> 93°C

Evaporation rate
< BuAc
EPO-TEK EK1000-1-D

Vapor density
> Air

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. Avoid exposure to high temperatures or direct sunlight.

Materials to avoid
Strong alkalis. Strong acids.

Hazardous decomposition products
Thermal decomposition or combustion products may include the following substances: Carbon monoxide (CO). Carbon dioxide (CO2).

11. Toxicological information

Information on toxicological effects

Inhalation
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.

Ingestion
May cause discomfort if swallowed.

Skin Contact
Causes severe burns. May cause sensitisation by skin contact.

Eye contact
Causes burns. Causes serious eye damage.

12. Ecological Information

Ecotoxicity
Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Acute toxicity - fish
Not available.

Persistence and degradability
No data available.

Bioaccumulative potential
No data available on bioaccumulation.
### Mobility in soil

**Mobility**  
No data available.

**Other adverse effects**

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

**UN Number**

- **UN No. (TDG)**: 1760
- **UN No. (IMDG)**: 1760
- **UN No. (ICAO)**: 1760
- **UN No. (DOT)**: 1760

**UN proper shipping name**

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

**Transport hazard class(es)**

- **TDG class**: 8
- **TDG label(s)**: 8
- **IMDG Class**: 8
- **ICAO class/division**: 8

**Transport labels**

![Transport label]

**Packing group**

- **TDG Packing Group**: II
- **IMDG packing group**: II
- **ICAO packing group**: II
- **DOT packing group**: II

**Environmental hazards**
EPO-TEK EK1000-1-D

Environmentally Hazardous Substance

Special precautions for user

EmS F-A, S-B

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 listed.

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

The following ingredients are listed:

Silver

1,000 lbs (454 Kg)

SARA Extremely Hazardous Substances EPCRA Reportable Quantities

None of the ingredients are listed.

SARA 313 Emission Reporting

The following ingredients are listed:

Silver

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

None of the ingredients are listed.

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

The following ingredients are listed:

Silver

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

None of the ingredients are listed.

Massachusetts "Right To Know" List

The following ingredients are listed:

Silver
Rhode Island "Right To Know" List
The following ingredients are listed:
Silver

Minnesota "Right To Know" List
The following ingredients are listed:
Silver

New Jersey "Right To Know" List
The following ingredients are listed:
Silver

Pennsylvania "Right To Know" List
The following ingredients are listed:
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.

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
Some of the ingredients are listed or exempt.

Philippines - PICCS
Some of the ingredients are listed or exempt.

### 16. Other information

<table>
<thead>
<tr>
<th>Description</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Revision date</td>
<td>7/6/2017</td>
</tr>
<tr>
<td>Revision</td>
<td>3</td>
</tr>
<tr>
<td>Supersedes date</td>
<td>12/12/2016</td>
</tr>
</tbody>
</table>
EPO-TEK EK1000-1-D

Hazard statements in full

H302 Harmful if swallowed.
H312 Harmful 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.
H332 Harmful if inhaled.
H335 May cause respiratory irritation.
H411 Toxic to aquatic life with long lasting effects.

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