# SAFETY DATA SHEET
## EPO-TEK EK1000

### 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</td>
</tr>
<tr>
<td><strong>Product number</strong></td>
<td>EK1000</td>
</tr>
</tbody>
</table>

**Recommended use of the chemical and restrictions on use**

**Application**
- Adhesive.

**Details of the supplier of the safety data sheet**

<table>
<thead>
<tr>
<th>Supplier</th>
<th>Epoxy Technology, Inc.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>14 Fortune Drive</td>
</tr>
<tr>
<td></td>
<td>Billerica, MA 01821</td>
</tr>
<tr>
<td></td>
<td>USA</td>
</tr>
<tr>
<td></td>
<td>(978) 667-3805</td>
</tr>
<tr>
<td></td>
<td>(978) 663-9782</td>
</tr>
<tr>
<td></td>
<td><a href="http://www.epotek.com">www.epotek.com</a>, <a href="mailto:SDS@epotek.com">SDS@epotek.com</a></td>
</tr>
</tbody>
</table>

**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 Irrit. 2 - H315 Eye Irrit. 2A - H319 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**

[![Pictogram](image)](image)

**Signal word**
- Warning

**Hazard statements**
- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H319 Causes serious eye irritation.
- H411 Toxic to aquatic life with long lasting effects.

**Precautionary statements**
- P273 Avoid release to the environment.
- P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
- P302+P352 If on skin: Wash with plenty of water.
- 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.
- P313 Get medical advice/ attention.
**EPO-TEK EK1000**

**Contains**  
Silver, Epoxy Resin Blend, Reactive Diluent

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

### 3. Composition/Information on ingredients

<table>
<thead>
<tr>
<th>Mixtures</th>
<th>60-100%</th>
<th>10-30%</th>
<th>5-10%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Silver</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CAS number: 7440-22-4</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Classification</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Aquatic Chronic 2 - H411</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Epoxy Resin Blend</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CAS number: Proprietary</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Classification</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Skin Irr. 2 - H315</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Eye Irr. 2 - H319</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Skin Sens. 1 - H317</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Aquatic Chronic 2 - H411</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Reactive Diluent</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CAS number: Proprietary</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Classification</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Acute Tox. 4 - H302</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Eye Dam. 1 - H318</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>STOT SE 3 - H336</td>
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<td></td>
</tr>
</tbody>
</table>

The Full Text for all Hazard Statements are 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**  
Inhalation of dusts during cutting, grinding or sanding of this product may cause irritation of the respiratory tract.

**Ingestion**  
May cause discomfort if swallowed.

**Skin contact**  
Allergic rash. Prolonged contact may cause redness, irritation and dry skin.
EPO-TEK EK1000

Eye contact
May cause temporary eye irritation.

Indication of immediate medical attention and special treatment needed
Notes for the doctor Treat symptomatically.

5. Fire-fighting measures

Extinguishing media
Suitable extinguishing media Extinguish with the following media: Dry chemicals. Foam. Water spray.

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.

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 Avoid spilling. Avoid contact with skin and eyes. Keep away from heat, sparks and open flame. Do not eat, drink or smoke when using the product. Good personal hygiene procedures should be implemented. Avoid inhalation of vapors.

Conditions for safe storage, including any incompatibilities
Storage precautions Store at -40 degrees C. Keep container tightly sealed when not in use.

Storage class Chemical storage.

Specific end use(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
Sliver
EPO-TEK EK1000

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.

Ingredient comments
WEL = Workplace Exposure Limits

Exposure controls

Protective equipment

Appropriate engineering controls
Provide adequate general and local exhaust ventilation.

Eye/face protection
The following protection should be worn: Chemical splash goggles.

Hand protection
Wear protective gloves.

Other skin and body protection
Wear appropriate clothing to prevent any possibility of skin contact.

Hygiene measures
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

Appearance
Paste.

Color
Silver.

Odor
Mild.

Flash point
93°C

Solubility(ies)
Slightly soluble in water.

Other information
None.

10. Stability and reactivity

Reactivity
The following materials may react with the product: Strong oxidizing agents. Strong reducing agents. Strong alkalis. Acids.

Stability
Stable at normal ambient temperatures.

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 contact with acids and alkalis. Avoid contact with the following materials: Oxidizing agents. Reducing agents.

Materials to avoid
EPO-TEK EK1000

Hazardous decomposition products
Fire creates: Carbon monoxide (CO). Carbon dioxide (CO2).

11. Toxicological information

Information on toxicological effects

Acute toxicity - oral
ATE oral (mg/kg) 5,000.0

Inhalation
Gas or vapor in high concentrations may irritate the respiratory system. Symptoms following overexposure may include the following: Coughing.

Ingestion
May cause discomfort if swallowed.

Skin Contact
May cause sensitisation by skin contact.

Eye contact
Irritating to eyes.

12. Ecological Information

Ecotoxicity
The product contains a substance which is toxic to aquatic organisms and which may cause long-term adverse effects in the aquatic environment.

Toxicity
Very toxic to aquatic organisms.

Persistence and degradability

Persistence and degradability
The product is moderately biodegradable.

Bioaccumulative potential

Bio-Accumulative Potential
No data available on bioaccumulation.

Mobility in soil

Mobility
Semi-mobile.

Other adverse effects

Other adverse effects
Not known.

13. Disposal considerations

Waste treatment methods

General information
Dangerous for the environment. May cause long-term adverse effects in the aquatic environment.

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. (DOT) 3082
UN No. (TDG) 3082
UN No. (IMDG) 3082
UN No. (ICAO) 3082
EPO-TEK EK1000

UN proper shipping name  
Proper shipping name (DOT)  ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Epoxy Resin Blend, Silver)
Proper shipping name (TDG)  ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Epoxy Resin Blend, Silver)
Proper shipping name (IMDG)  ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Epoxy Resin Blend, Silver)
Proper shipping name (ICAO)  ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Epoxy Resin Blend, Silver)

Transport hazard class(es)
DOT hazard class  9
DOT hazard label  Class 9
TDG class  9
TDG label  9
IMDG Class  9
ICAO class/division  9

Transport labels

Packing group
DOT pack group  III
TDG Packing Group  III
IMDG packing group  III
ICAO 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

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
EPO-TEK EK1000

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
All the ingredients are listed or exempt.

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

16. Other information

<table>
<thead>
<tr>
<th>Revision date</th>
<th>4/7/2016</th>
</tr>
</thead>
<tbody>
<tr>
<td>Revision</td>
<td>2</td>
</tr>
<tr>
<td>Supersedes date</td>
<td>3/6/2015</td>
</tr>
<tr>
<td>Hazard statements in full</td>
<td></td>
</tr>
<tr>
<td>H302</td>
<td>Harmful if swallowed.</td>
</tr>
<tr>
<td>H315</td>
<td>Causes skin irritation.</td>
</tr>
<tr>
<td>H317</td>
<td>May cause an allergic skin reaction.</td>
</tr>
<tr>
<td>H318</td>
<td>Causes serious eye damage.</td>
</tr>
<tr>
<td>H319</td>
<td>Causes serious eye irritation.</td>
</tr>
<tr>
<td>H336</td>
<td>May cause drowsiness or dizziness.</td>
</tr>
<tr>
<td>H411</td>
<td>Toxic to aquatic life with long lasting effects.</td>
</tr>
</tbody>
</table>

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