



## SAFETY DATA SHEET EPO-TEK® H61

### 1. Identification

#### Product identifier

**Product name** EPO-TEK® H61

**Product number** H61

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

**Application** Adhesive.

**Uses advised against** Use only for intended applications.

#### 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** ChemTel: +1 (800) 255-3924, +1 (813) 248-0585

### 2. Hazard(s) identification

#### Classification of the substance or mixture

**Physical hazards** Not Classified

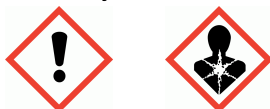
**Health hazards** Skin Irrit. 2 - H315 Eye Irrit. 2A - H319 Skin Sens. 1 - H317 Muta. 2 - H341 Carc. 2 - H351

**Environmental hazards** Aquatic Chronic 3 - H412

**Human health** Suspected of causing cancer. Suspected of causing genetic defects.

#### Label elements

##### Hazard symbols



##### Signal word

Warning

##### Hazard statements

H315 Causes skin irritation.  
H319 Causes serious eye irritation.  
H317 May cause an allergic skin reaction.  
H341 Suspected of causing genetic defects.  
H351 Suspected of causing cancer.  
H412 Harmful to aquatic life with long lasting effects.

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**Precautionary statements**

P272 Contaminated work clothing must not be allowed out of the workplace.  
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.  
P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P321 Specific treatment (see medical advice on this label).  
P333+P313 If skin irritation or rash occurs: Get medical advice/ attention.  
P501 Dispose of contents/ container in accordance with national regulations.

**Contains** Resorcinol Diglycidyl Ether, Epoxy Resin Blend

**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.

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### 3. Composition/information on ingredients

#### Mixtures

<b>Resorcinol Diglycidyl Ether</b>	<b>10-30%</b>
CAS number: 101-90-6	
<b>Classification</b>	
Acute Tox. 4 - H302	
Acute Tox. 4 - H312	
Skin Irrit. 2 - H315	
Eye Irrit. 2 - H319	
Skin Sens. 1 - H317	
Muta. 2 - H341	
Carc. 2 - H351	
<b>Epoxy Resin Blend</b>	<b>10-30%</b>
CAS number: Proprietary	
<b>Classification</b>	
Skin Irrit. 2 - H315	
Eye Irrit. 2 - H319	
Skin Sens. 1 - H317	
Aquatic Chronic 2 - H411	
<b>Substituted Amine</b>	<b>1-5%</b>
CAS number: Proprietary	
<b>Classification</b>	
Skin Irrit. 2 - H315	
Eye Dam. 1 - H318	
<b>Reactive Diluent</b>	<b>1-5%</b>
CAS number: Proprietary	
<b>Classification</b>	
Acute Tox. 4 - H302	
Eye Dam. 1 - H318	
STOT SE 3 - H336	

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.

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**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

**General information** Suspected of causing genetic defects. Suspected of causing cancer.

**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 skin irritation. May cause sensitisation by skin contact.

**Eye contact** Causes serious 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** Dry chemicals. Foam. Carbon dioxide (CO<sub>2</sub>).

### Special hazards arising from the substance or mixture

**Hazardous combustion products** 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** 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.

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### Advice on general occupational hygiene

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

<b>Storage precautions</b>	Store at -40°C. Keep container tightly sealed when not in use.
<b>Storage class</b>	Chemical storage.
<b><u>Specific end uses(s)</u></b>	
<b>Specific end use(s)</b>	The identified uses for this product are detailed in Section 1.

### 8. Exposure controls/Personal protection

**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 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.

**EPO-TEK® H61****9. Physical and chemical properties****Information on basic physical and chemical properties**

<b>Appearance</b>	Paste.
<b>Color</b>	Grey. Light (or pale).
<b>Odor</b>	Mild.
<b>Odor threshold</b>	No specific test data are available.
<b>pH</b>	No specific test data are available.
<b>Melting point</b>	No specific test data are available.
<b>Initial boiling point and range</b>	No specific test data are available.
<b>Flash point</b>	> 93°C
<b>Evaporation rate</b>	<BuAc
<b>Flammability (solid, gas)</b>	No specific test data are available.
<b>Upper/lower flammability or explosive limits</b>	No specific test data are available.
<b>Vapor pressure</b>	No specific test data are available.
<b>Vapor density</b>	>1
<b>Relative density</b>	No specific test data are available.
<b>Bulk density</b>	No specific test data are available.
<b>Solubility(ies)</b>	Slightly soluble in water.
<b>Partition coefficient</b>	No specific test data are available.
<b>Auto-ignition temperature</b>	No specific test data are available.
<b>Decomposition Temperature</b>	No specific test data are available.
<b>Viscosity</b>	No specific test data are available.
<b>Other information</b>	None.

**10. Stability and reactivity**

<b>Reactivity</b>	The following materials may react with the product: Strong oxidizing agents. Strong reducing agents.
<b>Stability</b>	Stable at normal ambient temperatures and when used as recommended.
<b>Possibility of hazardous reactions</b>	Will not polymerize.
<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 may liberate carbon oxides and other toxic gases or vapors.

**11. Toxicological information**

**EPO-TEK® H61****Information on toxicological effects****Acute toxicity - oral**

ATE oral (mg/kg) 2,729.56

**Acute toxicity - dermal**

ATE dermal (mg/kg) 6,505.8

**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**

May cause sensitisation by skin contact. Irritating to skin. May cause an allergic skin reaction.

**Eye contact**

Causes serious eye damage.

**Acute and chronic health hazards**

Suspected of causing genetic defects. Suspected of causing cancer.

**Toxicological information on ingredients.****Resorcinol Diglycidyl Ether****Carcinogenicity**

IARC carcinogenicity IARC Group 2B Possibly carcinogenic to humans.

NTP carcinogenicity Reasonably anticipated to be a human carcinogen.

**12. Ecological information****Ecotoxicity**

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

**Acute aquatic 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.

**Partition coefficient**

No specific test data are available.

**Mobility in soil****Mobility**

The product has poor water-solubility.

**Other adverse effects**

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**

**EPO-TEK® H61**

<b>General</b>	The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, DOT).
<b><u>UN Number</u></b>	
<b>UN No. (International)</b>	Not applicable.
<b>UN No. (DOT)</b>	Not applicable.
<b><u>UN proper shipping name</u></b>	
<b>Proper shipping name (International)</b>	Not applicable.
<b>Proper shipping name (DOT)</b>	Not applicable.
<b><u>Transport hazard class(es)</u></b>	
<b>Transport Labels (International)</b>	No transport warning sign required.
<b>DOT transport labels</b>	
No transport warning sign required.	
<b><u>Packing group</u></b>	
<b>Packing group (International)</b>	Not applicable.
<b>DOT packing group</b>	Not applicable.
<b><u>Environmental hazards</u></b>	
<b>Environmentally Hazardous Substance</b>	
No.	
<b><u>Special precautions for user</u></b>	
Not applicable.	
<b>DOT reportable quantity</b>	Not applicable.
<b>DOT TIH Zone</b>	Not applicable.
<b>Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b>	Not applicable.

**15. Regulatory information**

<b>Regulatory References</b>	Proprietary information protected pursuant to WTO's Agreement on Trade-Related Aspects of Intellectual Property Rights (TRIPS), Section 7, Art. 39.
<b>Additional Regulatory References</b>	Des informations protégées en vertu de l'Accord de le WTO sur les aspects commerciaux des droits de propriété intellectuelle (TRIPS), l'article 7, Art. 39.
<b><u>US Federal Regulations</u></b>	
<b>SARA Section 302 Extremely Hazardous Substances Tier II Threshold Planning Quantities</b>	
None of the ingredients are listed.	
<b>CERCLA/Superfund, Hazardous Substances/Reportable Quantities (EPA)</b>	
None of the ingredients are listed.	



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### SARA Extremely Hazardous Substances EPCRA Reportable Quantities

None of the ingredients are listed.

### SARA 313 Emission Reporting

The following ingredients are listed:

*Aluminum Oxide (Non-Fibrous)*

60-100%

*Resorcinol Diglycidyl Ether*

10-30%

### 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

The following ingredients are listed:

*Resorcinol Diglycidyl Ether*

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

The following ingredients are listed:

*Aluminum Oxide (Non-Fibrous)*

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

The following ingredients are listed:

*Resorcinol Diglycidyl Ether*

#### Massachusetts "Right To Know" List

The following ingredients are listed:

*Aluminum Oxide (Non-Fibrous)*

*Resorcinol Diglycidyl Ether*

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

The following ingredients are listed:

*Aluminum Oxide (Non-Fibrous)*

#### Minnesota "Right To Know" List

The following ingredients are listed:

*Aluminum Oxide (Non-Fibrous)*

*Resorcinol Diglycidyl Ether*

#### New Jersey "Right To Know" List

The following ingredients are listed:

*Aluminum Oxide (Non-Fibrous)*

*Resorcinol Diglycidyl Ether*

#### Pennsylvania "Right To Know" List

The following ingredients are listed:

*Aluminum Oxide (Non-Fibrous)*

**EPO-TEK® H61***Resorcinol Diglycidyl Ether***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**

All the ingredients are listed or exempt.

**Japan - ENCS**

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>	12/2/2020
<b>Revision</b>	2
<b>Supersedes date</b>	1/30/2015
<b>Hazard statements in full</b>	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. H336 May cause drowsiness or dizziness. H341 Suspected of causing genetic defects. H351 Suspected of causing cancer. H411 Toxic to aquatic life with long lasting effects. H412 Harmful to aquatic life with long lasting effects.

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.