



## SAFETY DATA SHEET EPO-TEK H61

### 1. IDENTIFICATION

<u>Product Name</u>	EPO-TEK H61
<u>Product No.</u>	EPO-TEK H61
<u>Identified uses</u>	Adhesive.
<u>Supplier</u>	Epoxy Technology, Inc. 14 Fortune Drive Billerica, MA 01821 USA www.epotek.com (978) 667-3805 (978) 663-9782
<u>Emergency Telephone</u>	(800) 255-3924

### 2. HAZARD(S) IDENTIFICATION

<u>Appearance</u>	Paste
<u>Color</u>	Grey. Light (or pale).
<u>Odor</u>	Mild.
<u>GHS Pictogram</u>	



Signal Word Warning

#### Hazard Statements

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

#### Precautionary Statements

P280	Wear protective gloves/protective clothing/eye protection/face protection.
P281	Use personal protective equipment as required.
P305+351+338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308+313	IF exposed or concerned: Get medical advice/attention.
P313	Get medical advice/attention.
P501	Dispose of contents/container in accordance with local regulations.

Contains Resorcinol Diglycidyl Ether

#### GHS Classification

Physical and Chemical Hazards	Not classified.
Human health	Skin Irrit. 2 - H315; Eye Irrit. 2 - H319; Skin Sens. 1 - H317; Muta. 2 - H341; Carc. 2 - H351
Environment	Aquatic Chronic 3 - H412

#### Human Health

Contains a substance/a group of substances which may cause harm to the unborn child. Contains a substance which may be potentially carcinogenic.

# EPO-TEK H61

## Inhalation

Gas or vapor in high concentrations may irritate respiratory system.

## Ingestion

Harmful if swallowed. May cause stomach pain or vomiting.

## Skin Contact

May cause sensitization by skin contact. Irritating to skin.

## Eye Contact

Irritating to eyes.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Epoxy Resin Blend	10-30%
CAS No.: Proprietary	EC No.: Proprietary
GHS Classification Skin Irrit. 2 - H315; Eye Irrit. 2 - H319; Skin Sens. 1 - H317; Aquatic Chronic 2 - H411	
Reactive Diluent	1-5%
CAS No.: Proprietary	EC No.: Proprietary
GHS Classification Acute Tox. 4 - H302; Eye Dam. 1 - H318; STOT SE 3 - H336	
Resorcinol Diglycidyl Ether	10-30%
CAS No.: 101-90-6	EC No.:
GHS Classification 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; Aquatic Chronic 2 - H411	
Substituted Amine	1-5%
CAS No.: Proprietary	EC No.: Proprietary
GHS Classification Skin Corr. 1B - H314; STOT SE 3 - H335	

### 4. FIRST-AID MEASURES

#### Description of first aid measures

##### Inhalation

Move the exposed person to fresh air at once. Rinse nose and mouth with water. Get medical attention if any discomfort continues.

##### Ingestion

NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS! Rinse mouth thoroughly. Get medical attention if any discomfort continues.

##### Skin Contact

Remove affected person from source of contamination. Remove contaminated clothing. Wash the skin immediately with soap and water. Get medical attention if any discomfort continues.

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## Eye Contact

Remove victim immediately from source of exposure. Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. 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 stomach pain or vomiting.

### Skin Contact

Skin irritation. Allergic rash.

### Eye Contact

Irritating and may cause redness and pain.

## Indication of any immediate medical attention and special treatment needed

### Notes To The Physician

Treat Symptomatically.

## 5. FIRE-FIGHTING MEASURES

Flash point (°C) 93

### Extinguishing Media

Fire can be extinguished using: Dry chemicals. Foam. Carbon dioxide (CO<sub>2</sub>).

### Hazardous combustion products

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors.

### Special Fire Fighting Procedures

Avoid breathing fire vapors. Water spray should be used to cool containers.

### Protective Equipment For Fire-Fighters

Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal Precautions

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

### Environmental Precautions

Do not discharge into drains, water courses or onto the ground. Avoid release to the environment.

### Spill Clean Up Methods

Stop leak if possible without risk. Absorb in vermiculite, dry sand or earth and place into containers. Flush with plenty of water to clean spillage area. Do not contaminate water sources or sewer.

### Reference to other sections

For personal protection, see section 8.

## 7. HANDLING AND STORAGE

### Handling

Avoid spilling, skin and eye contact. Keep away from heat, sparks and open flame. Do not eat, drink or smoke when using the product.

Avoid inhalation of vapors.

### Storage

Store in a refrigerator. 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 1.2.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Protective EquipmentProcess Conditions

Provide eyewash station.

Engineering Measures

Provide adequate general and local exhaust ventilation.

Respiratory Equipment

If ventilation is insufficient, suitable respiratory protection must be provided.

Hand Protection

Use protective gloves.

Eye Protection

Wear approved safety goggles.

Other 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.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<u>Appearance</u>	Paste
<u>Color</u>	Grey. Light (or pale).
<u>Odor</u>	Mild.
<u>Solubility</u>	Slightly soluble in water.
<u>Vapor density (air=1)</u>	>1
<u>Evaporation rate</u>	<BuAc
<u>Flash point (°C)</u>	93

## 10. STABILITY AND REACTIVITY

Reactivity

Reaction with: Strong oxidizing agents. Strong reducing agents.

Stability

Stable under normal temperature conditions.

Hazardous Polymerisation

Will not polymerise.

Conditions To Avoid

Avoid excessive heat for prolonged periods of time.

Materials To Avoid

Strong oxidizing substances. Strong reducing agents.

Hazardous Decomposition Products

In case of fire, toxic gases (CO, CO<sub>2</sub>, NO<sub>x</sub>) may be formed.

## 11. TOXICOLOGICAL INFORMATION

Toxicological Information on Ingredients:

# EPO-TEK H61

Resorcinol Diglycidyl Ether (CAS: 101-90-6)

## Toxic Dose 1 - LD 50

2, 570 mg/kg (oral, rat)

## Toxic Dose 2 - LD 50

980 mg/kg (oral, mouse)

## Carcinogenicity:

### IARC Carcinogenicity

IARC Group 2B Possibly carcinogenic to humans.

### NTP - Carcinogenicity

Reasonably anticipated human carcinogen.

Reactive Diluent (CAS: Proprietary)

## Toxic Dose 1 - LD 50

1, 540 mg/kg (oral, rat)

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

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

### Degradability

No data available.

### Bioaccumulative potential

No data available on bioaccumulation.

### Mobility:

The product has poor water-solubility.

### Other adverse effects

Not known.

## 13. DISPOSAL CONSIDERATIONS

### Disposal Methods

Dispose of waste and residues in accordance with local authority requirements.

## 14. TRANSPORT INFORMATION

### General

The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, DOT).

### Road Transport Notes

Not Classified

### Rail Transport Notes

Not classified.

### Sea Transport Notes

Not classified.

### Air Transport Notes

Not classified.

### Transport Labels

No transport warning sign required.

### Environmentally Hazardous Substance/Marine Pollutant

No.

### Transport in Bulk according to Annex II of MARPOL 73/78 and the IBC Code Notes

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)

None of the ingredients are listed.

SARA Extremely Hazardous Substances EPCRA Reportable Quantities

None of the ingredients are listed.

SARA 313 Emission Reporting

The following ingredients are listed.

Resorcinol Diglycidyl Ether

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

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)

None of the ingredients are listed.

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.

Resorcinol Diglycidyl Ether

Rhode Island "Right To Know" List

None of the ingredients are listed.

Minnesota "Right To Know" List

The following ingredients are listed.

Resorcinol Diglycidyl Ether

New Jersey "Right To Know" List

The following ingredients are listed.

Resorcinol Diglycidyl Ether

Pennsylvania "Right To Know" List

The following ingredients are listed.

Resorcinol Diglycidyl Ether

International Inventories

EU - EINECS/ELINCS

At least one ingredient is not listed.

Canada - DSL/NDSL

All ingredients are listed or exempt.

US - TSCA

All ingredients are listed or exempt.

US - TSCA 12(b) Export Notification

None of the ingredients are listed.

Australia - AICS

All ingredients are listed or exempt.

Japan - MITI

At least one ingredient is not listed.

Korea - KECI

At least one ingredient is not listed.

China - IECSC

All ingredients are listed or exempt.

Philippines – PICCS

At least one ingredient is not listed.

16. OTHER INFORMATION

<u>Revision Date</u>	01/30/2015
<u>Revision</u>	1

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