

# SAFETY DATA SHEET (SDS)



**Manufacturer:**  
Epoxy Technology

**Product Name:**  
EPO-TEK® 305 Spectrally Transparent Flexible Epoxy, Room Temperature Cure (4g)

**Manufacturer Part Number:**  
ET305-4G

▶ [Click here for more details on the EPO-TEK® 305 Spectrally Transparent Flexible Epoxy, Room Temperature Cure \(4g\)](#)

Revision date: 10/9/2019

Revision: 2

Supersedes date: 9/6/2014



## SAFETY DATA SHEET EPO-TEK® 305 Part B

### 1. Identification

#### Product identifier

**Product name** EPO-TEK® 305 Part B  
**Product number** 305/B

#### 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](http://www.epotek.com), [SDS@epotek.com](mailto: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** Acute Tox. 4 - H302 Skin Corr. 1B - H314 Eye Dam. 1 - H318 Skin Sens. 1 - H317  
**Environmental hazards** Aquatic Chronic 3 - H412

#### Label elements

##### Hazard symbols



**Signal word** Danger

**Hazard statements** H302 Harmful if swallowed.  
H314 Causes severe skin burns and eye damage.  
H317 May cause an allergic skin reaction.  
H412 Harmful to aquatic life with long lasting effects.

Data is subject to change without notice.

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## EPO-TEK® 305 Part B

**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.

**Contains** Trimethyl-1, 6-Hexanediamine

### 3. Composition/information on ingredients

#### Mixtures

Trimethyl-1, 6-Hexanediamine	60-100%
CAS number: 25513-64-8	

#### Classification

Acute Tox. 4 - H302  
Skin Corr. 1B - H314  
Eye Dam. 1 - H318  
Skin Sens. 1 - H317  
Aquatic Chronic 3 - H412

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. Never give anything by mouth to an unconscious person. Do not induce vomiting. Keep affected person warm and at rest. Get medical attention immediately.

**Ingestion** Do not induce vomiting. Never give anything by mouth to an unconscious person. Do not induce vomiting. Rinse mouth thoroughly with water. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Get medical attention immediately.

**Skin Contact** Remove affected person from source of contamination. Rinse immediately with plenty of water. Get medical attention promptly if symptoms occur after washing.

**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** Harmful if swallowed. May cause stomach pain or vomiting. May cause chemical burns in mouth, esophagus and stomach. May cause nausea, headache, dizziness and intoxication.

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

**Eye contact** Causes serious eye damage.

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

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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      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.

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      Avoid release to the environment.

#### Methods and material for containment and cleaning up

Methods for cleaning up      Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. Stop leak if possible without risk. Absorb in vermiculite, dry sand or earth and place into containers. Avoid contamination of ponds or watercourses with washing down water.

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

Advice on general occupational hygiene      Do not eat, drink or smoke when using this product. Wash promptly if skin becomes contaminated. Wash hands thoroughly after handling. Take off contaminated clothing and wash before reuse. Use appropriate skin cream to prevent drying of skin.

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

Storage precautions      Store at room temperature. Keep container tightly sealed when not in use.

Storage class      Corrosive storage.

#### Specific end uses(s)

Specific end use(s)      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

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## EPO-TEK® 305 Part B

### 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 skin contamination. Provide eyewash station.

### Hygiene measures

Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly with soap and water if skin becomes contaminated. Promptly remove any clothing that becomes wet or contaminated.

### 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	Liquid.
Color	Clear.
Odor	Amine.
Odor threshold	No specific test data are available.
pH	No specific test data are available.
Melting point	No specific test data are available.
Initial boiling point and range	No specific test data are available.
Flash point	232°C
Evaporation rate	<BuAc
Flammability (solid, gas)	No specific test data are available.
Upper/lower flammability or explosive limits	No specific test data are available.
Vapor pressure	No specific test data are available.
Vapor density	>1
Relative density	No specific test data are available.
Solubility(ies)	Insoluble in water.
Partition coefficient	No specific test data are available.
Auto-ignition temperature	No specific test data are available.
Decomposition Temperature	No specific test data are available.
Viscosity	No specific test data are available.
Other information	None.

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## EPO-TEK® 305 Part B

### 10. Stability and reactivity

Reactivity	The following materials may react violently with the product: Acids. Alkalis. Strong oxidizing agents. Strong reducing agents.
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.
Materials to avoid	Strong acids. Strong alkalis. Strong oxidizing agents. Strong reducing agents.
Hazardous decomposition products	Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors.

### 11. Toxicological information

#### Information on toxicological effects

#### Acute toxicity - oral

ATE oral (mg/kg) 500.0

Inhalation	May cause respiratory system irritation.
Ingestion	Causes burns. May cause chemical burns in mouth and throat. May cause stomach pain or vomiting.
Skin Contact	May cause allergic contact eczema. May cause sensitisation by skin contact. Causes burns.
Eye contact	Severe irritation, burning and tearing. Causes burns.

### 12. Ecological information

Ecotoxicity Harmful to aquatic life with long lasting effects.

#### Acute aquatic toxicity

Acute toxicity - fish No information available.

#### Persistence and degradability

Persistence and degradability The product is biodegradable.

#### Bioaccumulative potential

Bio-Accumulative Potential The product is not bioaccumulating.

Partition coefficient No specific test data are available.

#### Mobility in soil

Mobility Mobile.

#### Other adverse effects

Other adverse effects Not known.

### 13. Disposal considerations

#### Waste treatment methods

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**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) 2327

UN No. (IMDG) 2327

UN No. (ICAO) 2327

UN No. (DOT) UN2327

#### UN proper shipping name

Proper shipping name (TDG) TRIMETHYLHEXAMETHYLENEDIAMINES

Proper shipping name (IMDG) TRIMETHYLHEXAMETHYLENEDIAMINES

Proper shipping name (ICAO) TRIMETHYLHEXAMETHYLENEDIAMINES

Proper shipping name (DOT) TRIMETHYLHEXAMETHYLENEDIAMINES

#### Transport hazard class(es)

DOT hazard class 8

DOT hazard label 8

TDG class 8

TDG label(s) 8

IMDG Class 8

ICAO class/division 8

#### Transport labels



#### DOT transport labels



#### Packing group

TDG Packing Group III

IMDG packing group III

ICAO packing group III

DOT packing group III

#### Environmental hazards

Environmentally Hazardous Substance  
No.

#### Special precautions for user

EmS F-A, S-B

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## EPO-TEK® 305 Part 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)**  
None of the ingredients are listed.

**SARA Extremely Hazardous Substances EPCRA Reportable Quantities**  
None of the ingredients are listed.

**SARA 313 Emission Reporting**  
None of the ingredients are listed.

**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)**  
None of the ingredients are listed.

**California Air Toxics "Hot Spots" (A-II)**  
None of the ingredients are listed.

**Massachusetts "Right To Know" List**  
None of the ingredients are listed.

**Rhode Island "Right To Know" List**  
None of the ingredients are listed.

**Minnesota "Right To Know" List**  
None of the ingredients are listed.

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

*Trimethyl-1, 6-Hexanediamine*

**Pennsylvania "Right To Know" List**  
None of the ingredients are listed.

#### Inventories

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### EU - EINECS/ELINCS

All 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

None of the ingredients are listed.

### Korea - KECI

None of the ingredients are listed.

### China - IECSC

All the ingredients are listed or exempt.

### Philippines - PICCS

None of the ingredients are listed.

### 16. Other information

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Hazard statements in full	H302 Harmful if swallowed. H314 Causes severe skin burns and eye damage. H317 May cause an allergic skin reaction. H318 Causes serious eye damage. H412 Harmful to aquatic life with long lasting effects.

Information contained in this publication or as otherwise supplied to Users is believed to be accurate and is given in good faith, but it is for the Users to satisfy themselves of the suitability of the product for their own particular purpose. Epoxy Technology, Inc. gives no warranty as to the fitness of the product for any particular purpose and any implied warranty or condition (statutory or otherwise) is excluded except to the extent that exclusion is prevented by law. Epoxy Technology, Inc. accepts no liability for loss or damage (other than that arising from death or personal injury caused by defective product, if proved), resulting from reliance on this information. Freedom under Patents, Copyright and Designs cannot be assumed.

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