

# SAFETY DATA SHEET (SDS)



**Manufacturer:**  
Epoxy Technology

**Product Name:**  
EPO-TEK® HYB-353ND-TX3 High Temperature Epoxy, Hybrid Heat & UV Cure - Pre-Mixed and Frozen (3cc Syringe)

**Manufacturer Part Number:**  
ETHYB353NDTX3

► Click here for more details on the EPO-TEK® HYB-353ND-TX3 High Temperature Epoxy, Hybrid Heat & UV Cure - Pre-Mixed and Frozen (3cc Syringe)

Revision date: 11/7/2016

Revision: 1



## SAFETY DATA SHEET EPO-TEK HYB-353ND-TX3 PMF Syringe

### 1. Identification

Product identifier

Product name EPO-TEK HYB-353ND-TX3 PMF Syringe

Product number HYB-353ND-TX3

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

Physical hazards Not Classified

Health hazards Skin Irrit. 2 - H315 Eye Irrit. 2A - H319 Skin Sens. 1 - H317 Repr. 2 - H361f

Environmental hazards Aquatic Chronic 2 - H411

Label elements

Pictogram



Signal word

Warning

Hazard statements

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H361f Suspected of damaging fertility.

H411 Toxic to aquatic life with long lasting effects.

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## EPO-TEK HYB-353ND-TX3 PMF Syringe

<b>Precautionary statements</b>	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. P333+P313 If skin irritation or rash occurs: Get medical advice/ attention. P337+P313 If eye irritation persists: Get medical advice/ attention. P501 Dispose of contents/ container in accordance with national regulations.
<b>Contains</b>	Epoxy Acrylate, Epoxy Acrylate, Photoinitiator
<b>Other hazards</b>	
<b>Hazards not otherwise classified (HNOC)</b>	Contains epoxy constituents. May produce an allergic reaction.

### 3. Composition/information on ingredients

#### Mixtures

<b>Epoxy Acrylate</b>	30-60%
CAS number: Proprietary	
<b>Classification</b>	
Skin Sens. 1 - H317	
Aquatic Chronic 3 - H412	
<b>Epoxy Phenol Novolac</b>	10-30%
CAS number: 9003-36-5	
<b>Classification</b>	
Skin Irrit. 2 - H315	
Eye Irrit. 2 - H319	
Skin Sens. 1 - H317	
Aquatic Chronic 2 - H411	
<b>Epoxy Acrylate</b>	10-30%
CAS number: Proprietary	
<b>Classification</b>	
Skin Irrit. 2 - H315	
Eye Irrit. 2 - H319	
Skin Sens. 1 - H317	
STOT SE 3 - H335	
Aquatic Chronic 2 - H411	

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## EPO-TEK HYB-353ND-TX3 PMF Syringe

<b>Imidazole Blend</b> CAS number: Proprietary	1-5%
<b>Classification</b> Acute Tox. 4 - H302 Acute Tox. 4 - H332 Skin Irrit. 2 - H315 Eye Dam. 1 - H318 STOT SE 3 - H335	
<b>Photoinitiator</b> CAS number: Proprietary	1-5%
<b>Classification</b> Acute Tox. 4 - H302	
<b>Photoinitiator</b> CAS number: Proprietary	1-5%
<b>Classification</b> Repr. 2 - H361f	

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

General information	May damage fertility or the unborn child.
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 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.
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### 5. Fire-fighting measures

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## EPO-TEK HYB-353ND-TX3 PMF Syringe

### 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 products may include the following substances: Carbon dioxide (CO<sub>2</sub>). 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. Keep unnecessary and unprotected personnel away from the spillage. Avoid contact with skin and eyes.

#### Environmental precautions

**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** 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.

**Advice on general occupational hygiene** Provide eyewash station. 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

**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

**Ingredient comments** No exposure limits known for ingredient(s).

#### Exposure controls

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## EPO-TEK HYB-353ND-TX3 PMF Syringe

### 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 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 Liquid.

Color Colorless to pale yellow.

Flash point > 93°C

Evaporation rate < BuAc

Vapor density > Air

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.

Stability Stable at normal ambient temperatures and when used as recommended.

Possibility of hazardous reactions May polymerize.

Conditions to avoid Avoid excessive heat for prolonged periods of time.

Materials to avoid Strong oxidizing agents. Strong reducing agents.

Hazardous decomposition products Thermal decomposition or combustion products may include the following substances: Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>).

## 11. Toxicological information

### Information on toxicological effects

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## EPO-TEK HYB-353ND-TX3 PMF Syringe

### General information

Possible risk of adverse reproductive effects.

### Inhalation

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 skin irritation. May cause sensitisation by skin contact.

### Eye contact

Causes serious eye irritation.

### 12. Ecological Information

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

### Toxicity

**Acute toxicity - fish** Not available.

### Persistence and degradability

**Persistence and degradability** There are no data on the degradability of this product.

### Bioaccumulative potential

**Bio-Accumulative Potential** No data available on bioaccumulation.

### Mobility in soil

**Mobility** No data available.

### Results of PBT and vPvB assessment

### Other adverse effects

**Other adverse effects** Not known.

### 13. Disposal considerations

#### Waste treatment methods

**General information** 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)** 3082

**UN No. (IMDG)** 3082

**UN No. (ICAO)** 3082

**UN No. (DOT)** UN3082

#### UN proper shipping name

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## EPO-TEK HYB-353ND-TX3 PMF Syringe

**Proper shipping name (TDG)** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS Epoxy Phenol Novolac)

**Proper shipping name (IMDG)** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS Epoxy Phenol Novolac)

**Proper shipping name (ICAO)** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS Epoxy Phenol Novolac)

**Proper shipping name (DOT)** ENVIRONMENTALLY HAZARDOUS SUBSTANCES, LIQUID, N.O.S. (CONTAINS Epoxy Phenol Novolac)

### Transport hazard class(es)

DOT hazard class 9

DOT hazard label 9

TDG class 9

TDG label(s) 9

IMDG Class 9

ICAO class/division 9

### 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



### Special precautions for user

EmS F-A, S-F

Transport in bulk according to Not applicable.  
Annex II of MARPOL 73/78  
and the IBC Code

### 15. Regulatory information

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## EPO-TEK HYB-353ND-TX3 PMF Syringe

### Regulatory References

Proprietary information protected pursuant to WTO's Agreement on Trade-Related Aspects of Intellectual Property Rights (TRIPS), Section 7, Art. 39.

### International Regulations

#### US Federal Regulations

##### SARA Section 302 Extremely Hazardous Substances Tier II Threshold Planning Quantities

None of the ingredients are required to be listed.

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

None of the ingredients are required to be listed.

##### SARA Extremely Hazardous Substances EPCRA Reportable Quantities

None of the ingredients are required to be listed.

##### SARA 313 Emission Reporting

None of the ingredients are required to be listed.

##### CAA Accidental Release Prevention

None of the ingredients are required to be listed.

##### OSHA Highly Hazardous Chemicals

None of the ingredients are required to be listed.

### US State Regulations

#### California Proposition 65 Carcinogens and Reproductive Toxins

None of the ingredients are required to be listed.

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

None of the ingredients are required to be listed.

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

None of the ingredients are required to be listed.

#### Massachusetts "Right To Know" List

None of the ingredients are required to be listed.

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

None of the ingredients are required to be listed.

#### Minnesota "Right To Know" List

None of the ingredients are required to be listed.

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

None of the ingredients are required to be listed.

#### Pennsylvania "Right To Know" List

None of the ingredients are required to be listed.

### Inventories

#### EU - EINECS/ELINCS

Some of the ingredients are listed or exempt.

#### Canada - DSL/NDSL

All the ingredients are listed or exempt.

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### US - TSCA

All the ingredients are listed or exempt.

### US - TSCA 12(b) Export Notification

None of the ingredients are listed or exempt.

### Australia - AICS

All 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

Revision date 11/7/2016

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#### Hazard statements in full

H302 Harmful if swallowed.  
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.  
H361f Suspected of damaging fertility.  
H411 Toxic to aquatic life with long lasting effects.  
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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