SAFETY DATA SHEET
EPO-TEK® MED-HYB-353ND PMF Syringe

1. Identification

Product identifier
Product name  EPO-TEK® MED-HYB-353ND PMF Syringe
Product number  MED-HYB-353ND

Recommended use of the chemical and restrictions on use
Application  Adhesive.
Uses advised against  Use only for intended applications. Restricted to professional users.

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 Dam. 1 - H318 Skin Sens. 1 - H317 Repr. 1B - H360
Environmental hazards  Aquatic Chronic 2 - H411

Label elements

Pictogram

Signal word  Danger
Hazard statements  H315 Causes skin irritation.
                 H317 May cause an allergic skin reaction.
                 H318 Causes serious eye damage.
                 H360 May damage fertility or the unborn child.
                 H411 Toxic to aquatic life with long lasting effects.
EPO-TEK® MED-HYB-353ND PMF Syringe

Precautionary statements

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.
P308+P313 If exposed or concerned: Get medical advice/ attention.
P333+P313 If skin irritation or rash occurs: Get medical advice/ attention.
P501 Dispose of contents/ container in accordance with national regulations.

Supplemental label information

Restricted to professional users.

Contains

Epoxy Phenol Novolac, Specialty Acrylate Blend, Substituted Imidazole Blend, Imidazole

Other hazards

Contains epoxy constituents. May produce an allergic reaction.

3. Composition/information on ingredients

<table>
<thead>
<tr>
<th>Mixtures</th>
<th>CAS number:</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Epoxy Phenol Novolac</td>
<td>9003-36-5</td>
<td>60-100%</td>
</tr>
<tr>
<td>Classification</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Skin Irrit. 2 - H315</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Eye Irrit. 2 - H319</td>
<td></td>
<td></td>
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<tr>
<td>Skin Sens. 1 - H317</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Aquatic Chronic 2 - H411</td>
<td></td>
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</tr>
</tbody>
</table>

| Specialty Acrylate Blend                      | Proprietary | 10-30%    |
| Classification                                |             |           |
| Skin Sens. 1 - H317                           |             |           |

| Substituted Imidazole Blend                   | Proprietary | 5-10%     |
| Classification                                |             |           |
| Acute Tox. 4 - H302                           |             |           |
| Skin Irrit. 2 - H315                          |             |           |
| Eye Dam. 1 - H318                             |             |           |

| Imidazole                                     | 288-32-4    | 1-5%      |
| Classification                                |             |           |
| Acute Tox. 4 - H302                           |             |           |
| Skin Corr. 1B - H314                          |             |           |
| Eye Dam. 1 - H318                             |             |           |
| Repr. 1B - H360                               |             |           |
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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 damage.

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 (CO2).

Special hazards arising from the substance or mixture

Hazardous combustion products  Thermal decomposition or combustion products may include the following substances: Carbon dioxide (CO2). 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
EPO-TEK® MED-HYB-353ND PMF Syringe

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°C. Keep container tightly sealed when not in use.

Specific end uses(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

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 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.

Odor threshold
No specific test data are available.
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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
> 93°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 density
> 1

Relative density
No specific test data are available.

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.

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 (CO2).

11. Toxicological information

Information on toxicological effects

Acute toxicity - oral
ATE oral (mg/kg) 5,764.05

General information
Possible risk of adverse reproductive effects.

Inhalation
May cause respiratory irritation. 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.
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Eye contact
Causes serious eye damage.

12. Ecological Information

Ecotoxicity
Toxic 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
There are no data on the degradability of this product.

Bioaccumulative potential
Bio-Accumulative Potential
No data available on bioaccumulation.

Partition coefficient
No specific test data are available.

Mobility in soil
Mobility
No data available.

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
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
EPO-TEK® MED-HYB-353ND PMF Syringe

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 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 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.
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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.

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
All the ingredients are listed or exempt.

China - IECSC
All the ingredients are listed or exempt.
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Philippines - PICCS
All the ingredients are listed or exempt.

16. Other information

<table>
<thead>
<tr>
<th>Revision date</th>
<th>5/15/2018</th>
</tr>
</thead>
<tbody>
<tr>
<td>Revision</td>
<td>1</td>
</tr>
<tr>
<td>Hazard statements in full</td>
<td>H302 Harmful if swallowed.</td>
</tr>
<tr>
<td></td>
<td>H314 Causes severe skin burns and eye damage.</td>
</tr>
<tr>
<td></td>
<td>H315 Causes skin irritation.</td>
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