



SAFETY DATA SHEET EPO-TEK 301-2 PMF Syringe

1. Identification

Product identifier

Product name EPO-TEK 301-2 PMF Syringe

Product number 301-2 PMF Syringe

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

Emergency telephone number

Emergency telephone (800) 255-3924

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 2 - H411

Label elements

Pictogram



Signalword

Danger

Hazard statements

H302 Harmful if swallowed.
H314 Causes severe skin burns and eye damage.
H317 May cause an allergic skin reaction.
H411 Toxic to aquatic life with long lasting effects.

EPO-TEK301-2 PMF Syringe

- Precautionary statements**
- P260 Do not breathe vapor/spray.
 - P261 Avoid breathing vapor/spray.
 - P264 Wash contaminated skin thoroughly after handling.
 - P270 Do not eat, drink or smoke when using this product.
 - P272 Contaminated work clothing must not be allowed out of the workplace.
 - P273 Avoid release to the environment.
 - P280 Wear protective gloves/protective clothing/eye protection/face protection.
 - P301+P310 If swallowed: Immediately call a poison center/doctor.
 - P301+P330+P331 If swallowed: Rinse mouth. Do NOT induce vomiting.
 - P302+P352 If on skin: Wash with plenty of water.
 - 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.
 - P321 Specific treatment (see medical advice on this label).
 - P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
 - P362+P364 Take off contaminated clothing and wash it before reuse.
 - P363 Wash contaminated clothing before reuse.
 - P391 Collect spillage.
 - P405 Store locked up.
 - P501 Dispose of contents/container in accordance with national regulations.

Contains Bisphenol A Diglycidyl Ether Resin, Polyoxypropylenediamine

3. Composition/information on ingredients

Mixtures

Bisphenol A Diglycidyl Ether Resin	60-100%
CAS number: 1675-54-3	

Classification	
Skin Irrit. 2 - H315	
Eye Irrit. 2 - H319	
Skin Sens. 1 - H317	
Aquatic Chronic 2 - H411	

Polyoxypropylenediamine	10-30%
CAS number: 9046-10-0	

Classification	
Acute Tox. 4 - H302	
Skin Corr. 1B - H314	
Eye Dam. 1 - H318	

The Full Text for all Hazard Statements are 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.

EPO-TEK301-2 PMF Syringe

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

Inhalation	Gas or vapor in high concentrations may irritate the respiratory system.
Ingestion	Harmful if swallowed. May cause chemical burns in mouth, esophagus and stomach. May cause stomach pain or vomiting.
Skin contact	Causes severe burns. 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.
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5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media Dry chemicals. Foam. Water spray.

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.

Environmental precautions

Environmental precautions Avoid discharge to the aquatic environment. The product contains a substance which is toxic to aquatic organisms and which may cause long-term adverse effects in 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.

7. Handling and storage

Precautions for safe handling

Usage precautions Avoid spilling. Avoid contact with skin and eyes.

EPO-TEK301-2 PMF Syringe

Advice on general occupational hygiene Provide eyewash station. Do not eat, drink or smoke when using this product. Wash after use and before eating, smoking and using the toilet. Wash contaminated clothing before reuse.

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 uses(s)

Specific end use(s) The identified uses for this product are detailed in Section 1.2.

8. Exposure Controls/personal protection

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 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	Clear.
Odor	Mild.
Flashpoint	> 121°C
Evaporation rate	< BuAc
Vapour density	> Air
Solubility(ies)	Slightly soluble in water.

10. Stability and reactivity

Reactivity The following materials may react with the product: Strong oxidizing agents. Strong reducing agents. Strong acids. Alkalis.

Stability Stable at normal ambient temperatures.

EPO-TEK301-2 PMF Syringe

Possibility of hazardous reactions	Will not polymerize.
Conditions to avoid	Avoid excessive heat for prolonged periods of time.
Materials to avoid	Acids. Alkalis. Strong oxidizing agents. Strong reducing agents.
Hazardous decomposition products	Thermal decomposition or combustion products may include the following substances: Carbon dioxide (CO ₂). Carbon monoxide (CO).

11. Toxicological information

Information on toxicological effects

Inhalation	Gas or vapor in high concentrations may irritate the respiratory system.
Ingestion	Harmful if swallowed. May cause stomach pain or vomiting. May cause chemical burns in mouth, esophagus and stomach.
Skin Contact	Causes severe burns. May cause sensitisation by skin contact.
Eye contact	Causes serious eye damage.

Toxicological information on ingredients.

Bisphenol A Diglycidyl Ether Resin

Carcinogenicity

IARC carcinogenicity	IARC Group 3 Not classifiable as to its carcinogenicity to humans.
NTP carcinogenicity	Reasonably anticipated to be a human carcinogen.
OSHA Carcinogenicity	Not listed.

12. Ecological Information

Ecotoxicity	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
<u>Toxicity</u>	
Toxicity	Very toxic to aquatic organisms.
<u>Persistence and degradability</u>	
Persistence and degradability	No data available.
<u>Bioaccumulative potential</u>	
Bio-Accumulative Potential	No data available on bioaccumulation.
<u>Mobility in soil</u>	
Mobility	The product has poor water-solubility.
<u>Other adverse effects</u>	
Other adverse effects	Not known.

13. Disposal considerations

Waste treatment methods

EPO-TEK301-2 PMF Syringe

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. (DOT) 2735

UN No. (IMDG) 2735

UN No. (ICAO) 2735

UN proper shipping name

Proper shipping name(DOT) POLYAMINES, LIQUID, CORROSIVE, N.O.S (CONTAINS Polyoxypropylenediamine, Bisphenol A diglycidyl ether resin)

Proper shipping name (IMDG) POLYAMINES, LIQUID, CORROSIVE, N.O.S (CONTAINS Polyoxypropylenediamine, Bisphenol A diglycidyl ether resin)

Proper shipping name (ICAO) POLYAMINES, LIQUID, CORROSIVE, N.O.S (CONTAINS Polyoxypropylenediamine, Bisphenol A diglycidyl ether resin)

Transport hazard class(es)

IMDG Class 8

IMDG subsidiary risk

ICAO class/division 8

ICAO subsidiary risk

Transport labels



Packing group

DOT pack group III

IMDG packing group III

ICAO packing group III

Environmental hazards

Environmentally Hazardous Substance



Special precautions for user

EmS F-A, S-B

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

15. Regulatory information

US Federal Regulations

EPO-TEK301-2 PMF Syringe

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.

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

EPO-TEK301-2 PMF Syringe

All the ingredients are listed or exempt.

Japan - MITI

All the ingredients are listed or exempt.

Korea - KECI

All the ingredients are listed or exempt.

China - IECSC

All the ingredients are listed or exempt.

Philippines - PICCS

All the ingredients are listed or exempt.

16. Other information

Revision date	6/12/2015
Revision	1
Hazard statements in full	H302 Harmful if swallowed. H314 Causes severe skin burns and eye damage. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H318 Causes serious eye damage. H319 Causes serious eye irritation. H411 Toxic to aquatic life with long lasting effects.

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