



SAFETY DATA SHEET EPO-TEK ADDITIVE MF101

1. Identification

Product identifier

Product name EPO-TEK ADDITIVE MF101

Product number ADDITIVE MF101

Recommended use of the chemical and restrictions on use

Application Additive

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 Flam. Liq. 3 - H226

Health hazards Skin Irrit. 2 - H315 Eye Irrit. 2A - H319 Carc. 2 - H351 Repr. 2 - H361d STOT SE 3 - H335
STOT RE 2 - H373

Environmental hazards Not Classified

Label elements

Pictogram



Signal word

Warning

Hazard statements

H226 Flammable liquid and vapor.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.
H351 Suspected of causing cancer.
H361d Suspected of damaging the unborn child.
H373 May cause damage to organs through prolonged or repeated exposure.

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Precautionary statements	<p>P261 Avoid breathing vapor/ spray.</p> <p>P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.</p> <p>P303+P361+P353 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.</p> <p>P304+P340 If inhaled: Remove person to fresh air and keep comfortable for breathing.</p> <p>P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>P501 Dispose of contents/ container in accordance with national regulations.</p>
Contains	Xylene, Ethylbenzene, Toluene

3. Composition/information on ingredients

Mixtures

Xylene	30-60%
CAS number: 1330-20-7	
Classification	
Flam. Liq. 3 - H226	
Acute Tox. 4 - H312	
Acute Tox. 4 - H332	
Skin Irrit. 2 - H315	
Eye Irrit. 2A - H319	
STOT SE 3 - H335	
STOT RE 2 - H373	
Asp. Tox. 1 - H304	
Ethylbenzene	10-30%
CAS number: 100-41-4	
Classification	
Flam. Liq. 2 - H225	
Acute Tox. 4 - H332	
Carc. 2 - H351	
Toluene	<1%
CAS number: 108-88-3	
Classification	
Flam. Liq. 2 - H225	
Skin Irrit. 2 - H315	
Repr. 2 - H361d	
STOT SE 3 - H336	
STOT RE 2 - H373	
Asp. Tox. 1 - H304	

The Full Text for all Hazard Statements are Displayed in Section 16.

4. First-aid measures

Description of first aid measures

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Inhalation	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Rinse nose and mouth with water. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen. Place unconscious person on their side in the recovery position and ensure breathing can take place. Never give anything by mouth to an unconscious person. Get medical attention if symptoms are severe or persist.
Ingestion	Remove affected person from source of contamination. Rinse nose and mouth with water. Give plenty of water to drink. Do not induce vomiting unless under the direction of medical personnel. Place unconscious person on their side in the recovery position and ensure breathing can take place. Never give anything by mouth to an unconscious person. Get medical attention if symptoms are severe or persist.
Skin Contact	Remove affected person from source of contamination. Wash skin thoroughly with soap and water or use an approved skin cleanser. Continue to rinse for at least 10 minutes. Take off contaminated clothing and wash it before reuse. Get medical attention if symptoms are severe or persist after washing.
Eye contact	Remove affected person from source of contamination. Rinse cautiously with water for several minutes. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention if symptoms are severe or persist.

Most important symptoms and effects, both acute and delayed

General information	Contains a substance/a group of substances which may damage the unborn child. Contains a substance/a group of substances which may cause cancer. May cause damage to organs through prolonged or repeated exposure.
Inhalation	May cause respiratory irritation.
Ingestion	May cause discomfort if swallowed.
Skin contact	Causes skin irritation.
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

Extinguishing media

Suitable extinguishing media Dry chemicals. Foam. Carbon dioxide (CO₂). Water spray.

Special hazards arising from the substance or mixture

Hazardous combustion products Thermal decomposition or combustion products may include the following substances: Carbon monoxide (CO). Carbon dioxide (CO₂).

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.

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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 safe to do so. Eliminate all sources of ignition. Absorb spillage with sand or other inert absorbent. Collect and place in suitable waste disposal containers and seal securely. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

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

Advice on general occupational hygiene 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 room temperature. Keep container tightly sealed when not in use.

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

Control parameters

Occupational exposure limits

Xylene

Long-term exposure limit (8-hour TWA): OSHA 100 ppm 435 mg/m³
 Long-term exposure limit (8-hour TWA): ACGIH 100 ppm 434 mg/m³
 Short-term exposure limit (15-minute): ACGIH 150 ppm 651 mg/m³
 A4

Ethylbenzene

Long-term exposure limit (8-hour TWA): ACGIH 20 ppm 87 mg/m³
 A3
 Long-term exposure limit (8-hour TWA): OSHA 100 ppm 435 mg/m³

Toluene

Long-term exposure limit (8-hour TWA): OSHA 200 ppm
 Ceiling exposure limit: OSHA 300 ppm
 Long-term exposure limit (8-hour TWA): ACGIH 20 ppm 75 mg/m³
 A4

OSHA = Occupational Safety and Health Administration.
 ACGIH = American Conference of Governmental Industrial Hygienists.
 A3 = Confirmed Animal Carcinogen with Unknown Relevance to Humans.
 A4 = Not Classifiable as a Human Carcinogen.

Exposure controls

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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

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.

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	Slight.
Flash point	> 27°C
Solubility(ies)	Insoluble in water.
Other information	None.

10. Stability and reactivity

Reactivity	There are no known reactivity hazards associated with this product.
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.
Materials to avoid	None known.
Hazardous decomposition products	Thermal decomposition or combustion products may include the following substances: Carbon monoxide (CO). Carbon dioxide (CO ₂).

11. Toxicological information

Information on toxicological effects

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Inhalation	May cause respiratory irritation.
Ingestion	May cause discomfort if swallowed.
Skin Contact	Causes skin irritation.
Eye contact	Causes serious eye irritation.
Acute and chronic health hazards	Suspected of causing cancer. May damage the unborn child. May cause damage to organs through prolonged or repeated exposure.

12. Ecological Information

Toxicity

Acute toxicity - fish Not available.

Persistence and degradability

Persistence and degradability No data available.

Bioaccumulative potential

Bio-Accumulative Potential No data available on bioaccumulation.

Mobility in soil

Mobility No data available.

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. (DOT) 1866

UN No. (TDG) 1866

UN No. (IMDG) 1866

UN No. (ICAO) 1866

UN proper shipping name

Proper shipping name (DOT) RESIN SOLUTION

Proper shipping name (TDG) RESIN SOLUTION

Proper shipping name (IMDG) RESIN SOLUTION

Proper shipping name (ICAO) RESIN SOLUTION

Transport hazard class(es)

TDG class 3

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TDG label 3

IMDG Class 3

ICAO class/division 3

Transport labels



Packing group

DOT pack group III

TDG Packing Group III

IMDG packing group III

ICAO packing group III

Environmental hazards

Environmentally Hazardous Substance

No.

Special precautions for user

EmS F-E, S-E

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)

The following ingredients are listed or exempt:

Toluene

Ethylbenzene

Xylene

SARA Extremely Hazardous Substances EPCRA Reportable Quantities

None of the ingredients are required to be listed.

SARA 313 Emission Reporting

The following ingredients are listed or exempt:

Toluene

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Ethylbenzene

Xylene

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

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)

The following ingredients are listed or exempt:

Toluene

Ethylbenzene

Xylene

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

None of the ingredients are required to be listed.

Massachusetts "Right To Know" List

The following ingredients are listed or exempt:

Toluene

Ethylbenzene

Xylene

Rhode Island "Right To Know" List

The following ingredients are listed or exempt:

Toluene

Ethylbenzene

Xylene

Minnesota "Right To Know" List

The following ingredients are listed or exempt:

Toluene

Ethylbenzene

Xylene

New Jersey "Right To Know" List

The following ingredients are listed or exempt:

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Toluene

Ethylbenzene

Xylene

Pennsylvania "Right To Know" List

The following ingredients are listed or exempt:

Toluene

Ethylbenzene

Xylene

Inventories

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 or exempt.

Australia - AICS

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 5/31/2016

Revision 1

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Hazard statements in full

H225 Highly flammable liquid and vapor.
H226 Flammable liquid and vapor.
H304 May be fatal if swallowed and enters airways.
H312 Harmful in contact with skin.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H332 Harmful if inhaled.
H335 May cause respiratory irritation.
H336 May cause drowsiness or dizziness.
H351 Suspected of causing cancer.
H361d Suspected of damaging the unborn child.
H373 May cause damage to organs through prolonged or repeated exposure.

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