

SAFETY DATA SHEET EPO-TEK® MED-302-3M-R Part A

1. Identification

Product identifier

Product name EPO-TEK® MED-302-3M-R Part A

Product number MED-302-3M-R/A

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, 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 Irrit. 2A - H319 Skin Sens. 1 - H317

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.

H411 Toxic to aquatic life with long lasting effects.

EPO-TEK® MED-302-3M-R Part A

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.

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.

Contains Epoxy Phenol Novolac

Other hazards

Hazards not otherwise classified (HNOC)

Contains epoxy constituents. May produce an allergic reaction.

3. Composition/information on ingredients

Mixtures

Epoxy Phenol Novolac 60-100%

CAS number: 9003-36-5

Classification

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

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

Inhalation Inhalation of dust during cutting, grinding or sanding operations involving this product may

cause irritation of the respiratory tract. Gas or vapor in high concentrations may irritate the

respiratory system.

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

EPO-TEK® MED-302-3M-R Part A

5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media Extinguish with the following media: Dry chemicals. Foam. Carbon dioxide (CO2).

Special hazards arising from the substance or mixture

Hazardous combustion

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or

vapors.

Advice for firefighters

Protective actions during

firefighting

products

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 Do not discharge into drains or watercourses or onto the ground. Avoid release to the

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 Avoid spilling. Avoid contact with skin and eyes. Keep away from heat, sparks and open

flame. Do not eat, drink or smoke when using the product. Avoid inhalation of vapors.

Advice on general occupational hygiene

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.

Storage class Chemical 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

EPO-TEK® MED-302-3M-R Part A

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 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.

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 > 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 pressure No specific test data are available.

Vapor density >1

Relative density No specific test data are available.

Solubility(ies) Slightly soluble 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.

EPO-TEK® MED-302-3M-R Part A

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.

Possibility of hazardous

reactions

Will not polymerize.

Conditions to avoid Avoid excessive heat for prolonged periods of time. Avoid contact with the following materials:

Oxidizing agents. Reducing agents.

Materials to avoid Strong oxidizing agents. Strong reducing agents.

Hazardous decomposition

products

Fire creates: Carbon monoxide (CO). Carbon dioxide (CO2).

11. Toxicological information

Information on toxicological effects

Inhalation Inhalation of dust during cutting, grinding or sanding operations involving this product may

cause irritation of the respiratory tract. Gas or vapor in high concentrations may irritate the

respiratory system.

Ingestion May cause discomfort if swallowed.

Skin Contact May cause sensitisation by skin contact. Irritating to skin.

Eye contact Irritating to eyes.

12. Ecological Information

EcotoxicityToxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Toxicity Very toxic to aquatic organisms.

Persistence and degradability

Persistence and degradability No data available.

Bioaccumulative potential

Bio-Accumulative Potential No data available on bioaccumulation.

Partition coefficient No specific test data are available.

Mobility in soil

Mobility The product has poor water-solubility.

Other adverse effects

Other adverse effects Not known.

13. Disposal considerations

Waste treatment methods

Disposal methods Dispose of waste to licensed waste disposal site in accordance with the requirements of the

local Waste Disposal Authority.

EPO-TEK® MED-302-3M-R Part A

14. Transport information

UN Number

UN No. (TDG) 3082 UN No. (IMDG) 3082 UN No. (ICAO) 3082 UN No. (DOT) 3082

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 SUBSTANCE, LIQUID, N.O.S. (CONTAINS Epoxy

Phenol Novolac)

Transport hazard class(es)

TDG class 9

TDG label(s) 9

IMDG Class 9

ICAO class/division 9

Transport labels



Packing group

TDG Packing Group

IMDG packing group

ICAO packing group

DOT packing group

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

EPO-TEK® MED-302-3M-R Part A

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

None of the ingredients are listed.

Pennsylvania "Right To Know" List

None of the ingredients are listed.

Inventories

EU - EINECS/ELINCS

None of the ingredients are listed.

Canada - DSL/NDSL

All the ingredients are listed or exempt.

EPO-TEK® MED-302-3M-R Part A

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 - 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 5/10/2018

Revision 1

Hazard statements in full H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H411 Toxic 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.



SAFETY DATA SHEET EPO-TEK® MED-302-3M-R Part B

1. Identification

Product identifier

Product name EPO-TEK® MED-302-3M-R Part B

Product number MED-302-3M-R/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, 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

Environmental hazards Not Classified

Label elements

Pictogram





Signal word Danger

Hazard statements H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage.

EPO-TEK® MED-302-3M-R 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 Polyoxypropylenediamine

3. Composition/information on ingredients

Mixtures

Polyoxypropylenediamine 60-100%

CAS number: 9046-10-0

Classification

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

Imidazole 10-30%

CAS number: Proprietary

Classification

Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 STOT SE 3 - H335

The full text for all hazard statements is displayed in Section 16.

4. First-aid measures

Description of first aid measures

Inhalation Remove affected person from source of contamination. Keep affected person warm and at

rest. Get medical attention immediately.

Ingestion Never give anything by mouth to an unconscious person. Do not induce vomiting. Rinse

mouth thoroughly with water. Get medical attention immediately.

Skin Contact Remove affected person from source of contamination. Remove contaminated clothing. Wash

skin thoroughly with soap and 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. Get medical attention

immediately. Continue to rinse.

Most important symptoms and effects, both acute and delayed

Inhalation Gas or vapor in high concentrations may irritate the respiratory system.

Ingestion May cause stomach pain or vomiting. May cause chemical burns in mouth and throat.

Skin contact Severe irritation. May cause serious chemical burns to the skin. Blistering may occur.

Eye contact Severe irritation, burning and tearing. Corneal damage.

EPO-TEK® MED-302-3M-R Part B

Indication of immediate medical attention and special treatment needed

Notes for the doctor Treat symptomatically.

5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media Extinguish with the following media: Dry chemicals. Foam. Carbon dioxide (CO2).

Special hazards arising from the substance or mixture

Specific hazardsThermal decomposition or combustion products may include the following substances:

Carbon monoxide (CO). Carbon dioxide (CO2). Nitrous gases (NOx).

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 Do not discharge into drains or watercourses or onto the ground. Avoid release to the

environment.

Methods and material for containment and cleaning up

Methods for cleaning up Do not touch or walk into spilled material. Stop leak if possible without risk. Absorb in

vermiculite, dry sand or earth and place into containers. Flush contaminated area with plenty

of water.

Reference to other sections For personal protection, see Section 8.

7. Handling and storage

Precautions for safe handling

Usage precautions Avoid spilling. Avoid contact with skin and eyes. Keep away from heat, sparks and open

flame. Do not eat, drink or smoke when using the product. Avoid inhalation of vapors. Provide

adequate ventilation.

Advice on general occupational hygiene

Provide eyewash station and safety shower. 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.

Storage class Corrosive storage.

Specific end uses(s)

Specific end use(s) The identified uses for this product are detailed in Section 1.

EPO-TEK® MED-302-3M-R Part B

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.

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 and safety shower. 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. Wash promptly with soap and water if skin 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 Orange.

Odor Slight.

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 > 93°C

Flammability (solid, gas) No specific test data are available.

<BuAc

Upper/lower flammability or explosive limits

Evaporation rate

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)

No specific test data are available.

Partition coefficient

No specific test data are available.

EPO-TEK® MED-302-3M-R Part B

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

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 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) 588.24

Inhalation Gas or vapor in high concentrations may irritate the respiratory system.

Ingestion Harmful if swallowed. May cause burns in mucous membranes, throat, esophagus and

stomach.

Skin Contact Causes burns.

Eye contact Causes burns. Risk of serious damage to eyes.

12. Ecological Information

Ecotoxicity The product contains a substance which is harmful to aquatic organisms and which may

cause long-term adverse effects in the aquatic environment.

Persistence and degradability

Persistence and degradability No data available.

Bioaccumulative potential

Bio-Accumulative Potential No data available on bioaccumulation.

Partition coefficient No specific test data are available.

Mobility in soil

Mobility Semi-mobile.

Other adverse effects

EPO-TEK® MED-302-3M-R Part B

Other adverse effects Not known.

13. Disposal considerations

Waste treatment methods

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) UN2735
UN No. (IMDG) 2735
UN No. (ICAO) 2735
UN No. (DOT) UN2735

UN proper shipping name

Proper shipping name (TDG) AMINES, LIQUID, CORROSIVE, N.O.S. (Polyoxypropylenediamine)

Proper shipping name (IMDG) AMINES, LIQUID, CORROSIVE, N.O.S. (Polyoxypropylenediamine)

Proper shipping name (ICAO) AMINES, LIQUID, CORROSIVE, N.O.S. (Polyoxypropylenediamine)

Proper shipping name (DOT) AMINES, LIQUID, CORROSIVE, N.O.S. (Polyoxypropylenediamine)

Transport hazard class(es)

TDG class 8
TDG label(s) 8
IMDG Class 8

8

Transport labels

ICAO class/division



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

15. Regulatory information

EPO-TEK® MED-302-3M-R Part B

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

None of the ingredients are listed.

Pennsylvania "Right To Know" List

None of the ingredients are 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.

EPO-TEK® MED-302-3M-R Part B

US - TSCA 12(b) Export Notification

None of the ingredients are listed.

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 5/10/2018

Revision 1

Hazard statements in full H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage.

H315 Causes skin irritation.

H318 Causes serious eye damage. H319 Causes serious eye irritation. H335 May cause respiratory irritation.

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.