

SAFETY DATA SHEET (SDS)



Manufacturer:
Epoxy Technology

Product Name:
EPO-TEK® OE138 Thixotropic High Temperature Epoxy, Heat Cure - Pre-Mixed and Frozen (3cc Syringe)

Manufacturer Part Number:
ETOE138-3CC

▶ Click here for more details on the EPO-TEK® OE138 Thixotropic High Temperature Epoxy, Heat Cure - Pre-Mixed and Frozen (3cc Syringe)

Revision date: 3/24/2017

Revision: 2

Supersedes date: 2/24/2015



SAFETY DATA SHEET EPO-TEK OE138 Part A

1. Identification

Product identifier

Product name EPO-TEK OE138 Part A

Product number OE138/A

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. 2 - H319 Skin Sens. 1 - H317 STOT SE 1 - H370

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.
H319 Causes serious eye irritation.
H370 Causes damage to organs .
H411 Toxic to aquatic life with long lasting effects.

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EPO-TEK OE138 Part A

| | |
|---------------------------------------|---|
| 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. |
| | 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+P311 If exposed or concerned: Call a poison center or doctor. |
| | P321 Specific treatment (see medical advice on this label). |
| | P332+P313 If skin irritation occurs: Get medical advice/ attention. |
| | P333+P313 If skin irritation or rash occurs: Get medical advice/ attention. |
| | P337+P313 If eye irritation persists: Get medical advice/ attention. |
| | P362+P364 Take off contaminated clothing and wash it before reuse. |
| | P391 Collect spillage. |
| Contains | P405 Store locked up. |
| | P501 Dispose of contents/ container in accordance with national regulations. |
| Epoxy Phenol Novolac, Polar Activator | |

Other hazards

Harmful dust may be released during cutting or grinding process.

Hazards not otherwise classified (HINOC) Contains epoxy constituents. May produce an allergic reaction.

3. Composition/information on ingredients

Mixtures

| | |
|---|---------|
| Epoxy Phenol Novolac CAS number: 9003-36-5 | 60-100% |
| Classification Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Skin Sens. 1 - H317 Aquatic Chronic 2 - H411 | |
| Polar Activator CAS number: Proprietary | 1-5% |
| Classification Flam. Liq. 2 - H225 Acute Tox. 3 - H301 Acute Tox. 3 - H311 Acute Tox. 3 - H331 STOT SE 1 - H370 | |

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

4. First-aid measures

Description of first aid measures

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EPO-TEK OE138 Part A

| | |
|--------------|--|
| 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 | Causes damage to organs . |
| 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 | Skin irritation. Allergic rash. |
| Eye contact | Irritating to eyes. Symptoms following overexposure may include the following: Redness. Pain. |

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

| | |
|-------------------------------|---|
| Hazardous combustion products | Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors. |
|-------------------------------|---|

Advice for firefighters

| | |
|---|---|
| Protective actions during firefighting | Avoid breathing fire gases or vapors. Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk. |
| 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. |
|-------------------------|---|

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EPO-TEK OE138 Part A

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

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.

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

Control parameters

Occupational exposure limits

Polar Activator

Long-term exposure limit (8-hour TWA): ACGIH 200 ppm

Short-term exposure limit (15-minute): ACGIH 250 ppm

ACGIH = American Conference of Governmental Industrial Hygienists.

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

Wear protective gloves made of the following material: Impermeable material.

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

Paste.

Color

Tan.

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EPO-TEK OE138 Part A

| | |
|-------------------|----------------------------|
| Odor | Mild. |
| Flash point | > 93°C |
| Evaporation rate | <BuAc |
| Vapor density | >1 |
| 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 | 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 (CO ₂). |

11. Toxicological information

Information on toxicological effects

| | |
|----------------------------------|--|
| 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 | May cause sensitisation by skin contact. Irritating to skin. |
| Eye contact | Causes serious eye irritation. |
| Acute and chronic health hazards | Causes damage to organs . |

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EPO-TEK OE138 Part A

12. Ecological Information

| | |
|--------------------------------------|---|
| Ecotoxicity | Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. |
| Acute toxicity - fish | Not available. |
| <u>Persistence and degradability</u> | |
| Persistence and degradability | The product is biodegradable. |
| <u>Bioaccumulative potential</u> | |
| Bio-Accumulative Potential | The product contains potentially bioaccumulating substances. |
| <u>Mobility in soil</u> | |
| Mobility | Mobile. |
| <u>Other adverse effects</u> | |
| Other adverse effects | Not known. |

13. Disposal considerations

| | |
|--------------------------------|---|
| <u>Waste treatment methods</u> | |
| Disposal methods | Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. |

14. Transport information

| | |
|-----------------------------------|--|
| <u>UN Number</u> | |
| UN No. (TDG) | 3082 |
| UN No. (IMDG) | 3082 |
| UN No. (ICAO) | 3082 |
| UN No. (DOT) | UN3082 |
| <u>UN proper shipping name</u> | |
| 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) |
| <u>Transport hazard class(es)</u> | |
| DOT hazard class | 9 |
| DOT hazard label | 9 |
| TDG class | 9 |
| TDG label(s) | 9 |
| IMDG Class | 9 |
| ICAO class/division | 9 |

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EPO-TEK OE138 Part A

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 listed.

CERCLA/Superfund, Hazardous Substances/Reportable Quantities (EPA)
The following ingredients are listed:

Polar Activator
5,000 lbs (2270 Kg)

SARA Extremely Hazardous Substances EPCRA Reportable Quantities
None of the ingredients are listed.

SARA 313 Emission Reporting
The following ingredients are listed:
Polar Activator

CAA Accidental Release Prevention
None of the ingredients are listed.

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EPO-TEK OE138 Part A

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)
The following ingredients are listed:

Polar Activator

California Air Toxics "Hot Spots" (A-II)
None of the ingredients are listed.

Massachusetts "Right To Know" List
The following ingredients are listed:

Polar Activator

Rhode Island "Right To Know" List
The following ingredients are listed:

Polar Activator

Minnesota "Right To Know" List
The following ingredients are listed:
Polar Activator

New Jersey "Right To Know" List
The following ingredients are listed:
Polar Activator

Pennsylvania "Right To Know" List
The following ingredients are listed:
Polar Activator

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.

Australia - AICS
All the ingredients are listed or exempt.

Japan - MITI
Some of the ingredients are listed or exempt.

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EPO-TEK OE138 Part A

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 | 3/24/2017 |
| Revision | 2 |
| Supersedes date | 2/24/2015 |
| Hazard statements in full | H225 Highly flammable liquid and vapor. H301 Toxic if swallowed. H311 Toxic in contact with skin. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H319 Causes serious eye irritation. H331 Toxic if inhaled. H370 Causes damage to organs. H411 Toxic to aquatic life with long lasting effects. |

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