

### SECTION 1: Identification

#### 1.1. Identification

Product form : Mixture  
Product name : Epic S7076-02A  
Product code : S7076-02A

#### 1.2. Recommended use and restrictions on use

Recommended use : Adhesives, sealants  
Restrictions on use : Adhesives, sealants

#### 1.3. Supplier

Epic Resins P.O.  
600 Industrial Blvd.  
Palmyra, WI, Jefferson, 53156  
USA  
T 800-242-6649  
[www.epicresins.com](http://www.epicresins.com)

Distributor: SPI Supplies / Structure Probe Inc.  
206 Garfield Avenue  
West Chester, PA 19380  
Phone: 610-436-5400; 1-800-242-4774  
Fax: 610-436-5755  
Email: [sales@2spi.com](mailto:sales@2spi.com)  
SPI Catalog # 01400-AB, 01400-XB

#### 1.4. Emergency telephone number

Emergency number : CHEMTREC - USA: 1- 800-424-9300, INTERNATIONAL: +1-703-527-3887

### SECTION 2: Hazard(s) identification

#### 2.1. Classification of the substance or mixture

##### GHS-US classification

Skin corrosion/irritation, Category 2	H315	Causes skin irritation.
Serious eye damage/eye irritation, Category 2	H319	Causes serious eye irritation.
Skin sensitisation, Category 1	H317	May cause an allergic skin reaction.
Hazardous to the aquatic environment — Acute Hazard, Category 2	H401	Toxic to aquatic life
Hazardous to the aquatic environment — Chronic Hazard, Category 2	H411	Toxic to aquatic life with long lasting effects.

Full text of H-statements: see section 16

#### 2.2. GHS Label elements, including precautionary statements

##### GHS US labelling

Hazard pictograms (GHS US)



Signal word (GHS US)

: Warning

Hazard statements (GHS US)

: H315 - Causes skin irritation.  
H317 - May cause an allergic skin reaction.  
H319 - Causes serious eye irritation.  
H401 - Toxic to aquatic life  
H411 - Toxic to aquatic life with long lasting effects.

Precautionary statements (GHS US)

: P261 - Avoid breathing dust, fume, gas, mist, vapours, spray.  
P264 - Wash hands, forearms, face and clothing thoroughly after handling.  
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.

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P302+P352 - If on skin: Wash with plenty of soap and 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.  
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.  
P363 - Wash contaminated clothing before reuse.  
P391 - Collect spillage.  
P501 - Contact a local certified and licensed waste disposal contractor or collection site to ensure proper and legal disposal.

### 2.3. Other hazards which do not result in classification

No additional information available

### 2.4. Unknown acute toxicity (GHS US)

Not applicable

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

Comments : This product contains particulates (silica, calcium, pigments, etc.) that are blended into a liquid and pose no hazard as supplied. They may however be released if final product is cured and hardened then machined, such as; grinding, sanding, cutting, Etc.

Name	Product identifier	%	GHS-US classification
(Chloromethyl)oxirane, 4,4'-(1-methylethylidene)bisphenol Copolymer	CAS-No.: 25068-38-6	50 - 55	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 Aquatic Acute 2, H401 Aquatic Chronic 2, H411
Alykl Glycidyl Ether	CAS-No.: 68609-97-2	6 - 11	Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Skin Sens. 1, H317
Petroleum Distillates Aromatic Hydrocarbon	CAS-No.: 64742-94-5	6 - 11	Asp. Tox. 1, H304

Full text of hazard classes and H-statements : see section 16

## SECTION 4: First-aid measures

### 4.1. Description of first aid measures

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.  
First-aid measures after skin contact : Wash skin with plenty of water. Take off contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention.  
First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.  
First-aid measures after ingestion : Call a poison center or a doctor if you feel unwell.

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### 4.2. Most important symptoms and effects (acute and delayed)

Symptoms/effects after skin contact : Irritation. May cause an allergic skin reaction.  
Symptoms/effects after eye contact : Eye irritation.

### 4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

## SECTION 5: Fire-fighting measures

### 5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

### 5.2. Specific hazards arising from the chemical

Hazardous decomposition products in case of fire : Toxic fumes may be released.

### 5.3. Special protective equipment and precautions for fire-fighters

Firefighting instructions : Fire-fighting instructions: no data available.  
Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

General measures : Do not handle until all safety precautions have been read and understood. Avoid contact with skin and eyes. Absorb spillage to prevent material damage. Clean up any spills as soon as possible, using an absorbent material to collect it.

#### 6.1.1. For non-emergency personnel

Protective equipment : Avoid contact with skin and eyes; wear chemical protective clothing, eye protection and chemical resistant gloves.  
Emergency procedures : Ventilate spillage area. Avoid contact with skin and eyes. Avoid breathing dust, fume, gas, mist, vapours, spray. Avoid contact with skin, eyes and clothing. Do not breathe vapours.

#### 6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

### 6.2. Environmental precautions

Avoid release to the environment.

### 6.3. Methods and material for containment and cleaning up

For containment : Collect spillage.  
Methods for cleaning up : Take up liquid spill into absorbent material.  
Other information : Dispose of materials or solid residues at a certified/authorized waste disposal site.

### 6.4. Reference to other sections

For further information refer to section 13.

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### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

- Precautions for safe handling : Industrial Hygiene/Ventilation Safe Practices: Epic Resins urges prevention of skin, eye and respirable contact with this material. Since spraying and heating applications increase the potential for skin, eye and respirable exposures, stringent precautions must be taken to ensure the safety of the person(s) involved with these types of applications as well as other persons working in the area. Ventilation of at minimum of 10 air exchanges per hour is recommended. if ventilation is questionable, contact a local licensed HVAC Specialist and Certified Industrial Hygienist. . Avoid contact with skin and eyes. Wear personal protective equipment. Avoid breathing dust, fume, gas, mist, vapours, spray.
- Hygiene measures : Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed out of the workplace. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

#### 7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a well-ventilated place. Keep cool.
- Maximum storage period : 12 months
- Storage temperature : 25 °C

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

##### Epic S7076-02A

No additional information available

##### (Chloromethyl)oxirane, 4,4'-(1-methylethylidene)bisphenol Copolymer (25068-38-6)

No additional information available

##### Alykl Glycidyl Ether (68609-97-2)

No additional information available

##### Petroleum Distillates Aromatic Hydrocarbon (64742-94-5)

No additional information available

#### 8.2. Appropriate engineering controls

- Appropriate engineering controls : Industrial Hygiene/Ventilation Safe Practices: Epic Resins urges prevention of skin, eye and respirable contact with this material. Since spraying and heating applications increase the potential for skin, eye and respirable exposures, stringent precautions must be taken to ensure the safety of the person(s) involved with these types of applications as well as other persons working in the area. Ventilation of at minimum of 10 air exchanges per hour is recommended. if ventilation is questionable, contact a local licensed HVAC Specialist and Certified Industrial Hygienist.
- Environmental exposure controls : Avoid release to the environment.

#### 8.3. Individual protection measures/Personal protective equipment

##### Personal protective equipment:

Gloves. Safety glasses. Protective clothing.

##### Materials for protective clothing:

neoprene/butyl rubber. nitrile rubber

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### Hand protection:

Chemical Resistant Protective Gloves. Ensure gloves remain in good condition during use and replace if any deterioration is observed. Gloves should be worn, Nitrile rubber gloves, Butyl rubber gloves, Neoprene gloves

### Eye protection:

Wear security safety glasses or face shield that protects from splashes

### Skin and body protection:

Wear suitable protective clothing. Chemical resistant apron. Long sleeved protective clothing

### Respiratory protection:

Respiratory protection typically is not needed with adequate ventilation and under normal use conditions

### Personal protective equipment symbol(s):



## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: Black
Odour	: Almost odourless
Odour threshold	: No data available
pH	: No data available
Melting point	: Not applicable
Freezing point	: No data available
Boiling point	: > 150 °C
Flash point	: > 252 °C
Relative evaporation rate (butylacetate=1)	: No data available
Flammability (solid, gas)	: Not applicable.
Vapour pressure	: < 0.03 mm Hg
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Density	: 1.22 g/cm <sup>3</sup> Average
Solubility	: No data available
Partition coefficient n-octanol/water (Log Pow)	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity, kinematic	: 150000 – 300000 mm <sup>2</sup> /s
Viscosity, dynamic	: No data available
Explosive limits	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available

### 9.2. Other information

No additional information available

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### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

#### 10.2. Chemical stability

Stable under normal conditions.

#### 10.3. Possibility of hazardous reactions

Masses of more than one pound (0.5 kg) of product plus an aliphatic amine will cause irreversible polymerization with considerable heat build-up and may form pressure.

#### 10.4. Conditions to avoid

Avoid short term exposures to temperatures above 300 °C Potentially violent decomposition can occur above 350 °C Avoid prolonged exposure to temperatures above 250 °C Generation of gas during decomposition can cause pressure in closed systems. Pressure build-up can be rapid.

#### 10.5. Incompatible materials

Strong acids. Oxidizing agent.

#### 10.6. Hazardous decomposition products

Decomposition products depend upon temperature, air supply and the presence of other materials. Gases are released during decomposition. Uncontrolled exothermic reaction of epoxy resins release phenolics, carbon monoxide, and water.

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified  
Acute toxicity (dermal) : Not classified  
Acute toxicity (inhalation) : Not classified

#### (Chloromethyl)oxirane, 4,4'-(1-methylethylidene)bisphenol Copolymer (25068-38-6)

LD50 oral rat	> 2000 mg/kg (OECD 420: Acute Oral toxicity – Acute Toxic Class Method, Rat, Female, Experimental value, Oral, 14 day(s))
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#### Alykl Glycidyl Ether (68609-97-2)

LD50 oral rat	9000 mg/kg (Rat, Oral)
ATE US (oral)	9000 mg/kg bodyweight

Skin corrosion/irritation : Causes skin irritation.  
Serious eye damage/irritation : Causes serious eye irritation.  
Respiratory or skin sensitisation : May cause an allergic skin reaction.  
Germ cell mutagenicity : Not classified  
Carcinogenicity : Not classified  
Reproductive toxicity : Not classified  
STOT-single exposure : Not classified  
STOT-repeated exposure : Not classified  
Aspiration hazard : Not classified  
Viscosity, kinematic : 150000 – 300000 mm<sup>2</sup>/s  
Symptoms/effects after skin contact : Irritation. May cause an allergic skin reaction.  
Symptoms/effects after eye contact : Eye irritation.

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### SECTION 12: Ecological information

#### 12.1. Toxicity

Ecology - general : Toxic to aquatic life with long lasting effects. Toxic to aquatic life.

(Chloromethyl)oxirane, 4,4'-(1-methylethylidene)bisphenol Copolymer (25068-38-6)	
LC50 - Fish [1]	2.3 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Oncorhynchus mykiss, Semi-static system, Fresh water, Experimental value, Nominal concentration)
EC50 - Crustacea [1]	2 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Fresh water, Experimental value)

#### 12.2. Persistence and degradability

(Chloromethyl)oxirane, 4,4'-(1-methylethylidene)bisphenol Copolymer (25068-38-6)	
Persistence and degradability	Not readily biodegradable in water.
Alykl Glycidyl Ether (68609-97-2)	
Persistence and degradability	Biodegradability in soil: no data available.

#### 12.3. Bioaccumulative potential

(Chloromethyl)oxirane, 4,4'-(1-methylethylidene)bisphenol Copolymer (25068-38-6)	
BCF - Other aquatic organisms [1]	31 (Estimated value, Fresh weight)
Partition coefficient n-octanol/water (Log Pow)	3 (Estimated value, 25 °C)
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).
Alykl Glycidyl Ether (68609-97-2)	
Bioaccumulative potential	No test data of component(s) available.

#### 12.4. Mobility in soil

(Chloromethyl)oxirane, 4,4'-(1-methylethylidene)bisphenol Copolymer (25068-38-6)	
Surface tension	59 mN/m (20 °C, 0.09 g/l)
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	2.65 (log Koc, SRC PCKOCWIN v2.0, QSAR)
Ecology - soil	Low potential for adsorption in soil.

#### 12.5. Other adverse effects

No additional information available

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### SECTION 13: Disposal considerations

#### 13.1. Disposal methods

Waste treatment methods : When handling waste, the safety precautions applying to handling of the product should be considered. Waste, residues, empty containers, discarded work clothes and contaminated cleaning material should be collected in designated containers, labeled with their contents. Dispose of surplus products and those that cannot be recycled via local licensed waste disposal contractor. Disposal of this product, process solutions, residues and by-products should at all times comply with state and federal waste disposal legislation any other local authority requirements. Do not cut or weld used containers unless they have been thoroughly cleaned and inspected for safe use.

### SECTION 14: Transport information

DOT	TDG	IMDG	IATA
<b>14.1. UN number</b>			
Not applicable	Not applicable	3082	3082
<b>14.2. Proper Shipping Name</b>			
Not applicable	Not applicable	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Epoxy Resin)	Environmentally hazardous substance, liquid, n.o.s. (Epoxy Resin)
<b>14.3. Transport hazard class(es)</b>			
Not applicable	Not applicable	9	9
			
<b>14.4. Packing group</b>			
Not applicable	Not applicable	III	III
<b>14.5. Environmental hazards</b>			
Not applicable	Not applicable	Dangerous for the environment: Yes Marine pollutant: Yes	Dangerous for the environment: Yes
No supplementary information available			

#### 14.6. Special precautions for user

##### DOT

No data available

##### TDG

Emergency Response Guide (ERG) Number : 171

##### IMDG

Special provisions (IMDG) : 274, 335  
Limited quantities (IMDG) : 5 L  
Excepted quantities (IMDG) : E1  
Packing instructions (IMDG) : P001, LP01  
Special packing provisions (IMDG) : PP1

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IBC packing instructions (IMDG)	: IBC03
Tank instructions (IMDG)	: T4
Tank special provisions (IMDG)	: TP2, TP29
EmS-No. (Fire)	: F-A - FIRE SCHEDULE Alfa - GENERAL FIRE SCHEDULE
EmS-No. (Spillage)	: S-F - SPILLAGE SCHEDULE Foxtrot - WATER-SOLUBLE MARINE POLLUTANTS
Stowage category (IMDG)	: A

### IATA

PCA Excepted quantities (IATA)	: E1
PCA Limited quantities (IATA)	: Y964
PCA limited quantity max net quantity (IATA)	: 30kgG
PCA packing instructions (IATA)	: 964
PCA max net quantity (IATA)	: 450L
CAO packing instructions (IATA)	: 964
CAO max net quantity (IATA)	: 450L
Special provisions (IATA)	: A97, A158, A197
ERG code (IATA)	: 9L

### 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

## SECTION 15: Regulatory information

### 15.1. US Federal regulations

All components of this product are present and listed as Active on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

This product or mixture is not known to contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

### International regulations

#### CANADA WHMIS D-2B

#### (Chloromethyl)oxirane, 4,4'-(1-methylethylidene)bisphenol Copolymer (25068-38-6)

Listed on the Canadian DSL (Domestic Substances List)

#### Alykl Glycidyl Ether (68609-97-2)

Listed on the Canadian DSL (Domestic Substances List)

### EU-Regulations

No additional information available

### National regulations

No additional information available

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### 15.3. US State regulations

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U.S. - California - Proposition 65 - Other information	Per the California Proposition 65 list of chemicals (referenced here: <a href="https://oehha.ca.gov/proposition-65/proposition-65-list">https://oehha.ca.gov/proposition-65/proposition-65-list</a> ), silica, crystalline or carbon black, are only listed as a warning in their true form "(airborne particles of respirable size)". This product binds the silica, crystalline or carbon black within this resin. Therefore, the silica, crystalline or carbon black substance does not pose a risk of causing cancer and/or reproductive harm through inhalation.
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California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

### SECTION 16: Other information

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#### Full text of H-statements

H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H401	Toxic to aquatic life
H411	Toxic to aquatic life with long lasting effects.

#### Hazard Rating

Health	: 2 Moderate Hazard - Temporary or minor injury may occur
Flammability	: 1 Slight Hazard - Materials that must be preheated before ignition will occur. Includes liquids, solids and semi solids having a flash point above 200 F. (Class IIIB)
Physical	: 0 Minimal Hazard - Materials that are normally stable, even under fire conditions, and will NOT react with water, polymerize, decompose, condense, or self-react. Non-Explosives.
Personal protection	: C - Safety glasses, Gloves, Synthetic apron

Safety Data Sheet (SDS), USA

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.