

**SECTION 1: Identification of the Substance/Mixture and of the Company/Undertaking****1.1 Product Identifier**

AC•Tech 2170 FC, Part A

**1.2 Relevant identified uses of the substance or mixture and uses advised against****Use of the substance/mixture**

Chemical product for construction and industry

**1.3 Details of the supplier of the safety data sheet**

Manufacturer:	Allied Construction Technologies, Inc. 3302 Croft Street Norfolk, VA 23513	Phone:(757)-855-5100 Email: Team@actechperforms.com
Emergency Phone:	US & Canada Infotrac: (800) 535-5053 (Contract #104212)	International Infotrac: 1-352-323-3500

**SECTION 2: Hazards Identification****2.1 Classification of the substance or mixture****Classification according to Directive 67/548/EEC or 1999/45/EC**

Indications of danger: Xi - Irritant, N - Dangerous for the environment

R phrases:

Irritating to eyes and skin.

May cause sensitization by skin contact.

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

**Classification according to Regulation (EC) No. 1272/2008 [CLP]**

Hazard categories:

Skin corrosion/irritation: Skin Irrit. 2

Serious eye damage/eye irritation: Eye Irrit. 2

Respiratory/skin sensitization: Skin Sens. 1

Hazardous to the aquatic environment: Aquatic Chronic 2

Hazard Statements:

Causes skin irritation.

May cause an allergic skin reaction.

Causes serious eye irritation.

Toxic to aquatic life with long lasting effects.

**2.2 Label Elements****Hazardous components which must be listed on the label**

epoxy resin (number average molecular weight &lt;= 700), reaction product: bisphenol-A-(epichlorhydrin)

epoxy resin (number average molecular weight &lt;= 700), reaction product: bisphenol-F-(epichlorhydrin)

oxirane, mono[(C12-14-alkyloxy)methyl] derivs.

Signal word: Warning  
Pictograms: GHS07-GHS09



### 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.

### Precautionary statements

P262 Do not get in eyes, on skin, or on clothing.  
P273 Avoid release to the environment.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.

### Special labeling of certain mixtures

EUH205 Contains epoxy constituents. May produce an allergic reaction.

### NFPA and HMIS Rating

NFPA Rating	Health: 2	Fire: 1	Reactivity: 0
HMIS Rating	Health: 2	Flammability: 1	Physical Hazard: 0

## SECTION 3: Composition/Information on Ingredients

### 3.1 Mixtures

#### Hazardous Components

EC No	Chemical name	Quantity
CAS No	Classification according to Directive 67/548/EEC	
Index No	Classification according to Regulation (EC) No. 1272/2008 [CLP]	
REACH No		
500-033-5	epoxy resin (number average molecular weight <= 700), reaction product: bisphenol-A-(epichlorhydrin)	50 - < 75 %
25068-38-6	Xi - Irritant, N - Dangerous for the environment R36/38-43-51-53 Skin Irrit. 2, Eye Irrit. 2, Skin Sens. 1, Aquatic Chronic 2; H315 H319 H317 H411	
01-2119456619-26		
500-006-8	epoxy resin (number average molecular weight <= 700), reaction product: bisphenol-F-(epichlorhydrin)	10 - < 25 %
9003-36-5	Xi - Irritant, N - Dangerous for the environment R38-43-51-53 Skin Irrit. 2, Skin Sens. 1, Aquatic Chronic 2; H315 H317 H411	
01-2119454392-40		
240-260-4	1,6-bis(2,3-epoxypropoxy)hexane	5 - < 10 %
16096-31-4	Xi - Irritant R36/38-43-52-53 Skin Irrit. 2, Eye Irrit. 2, Skin Sens. 1, Aquatic Chronic 3; H315 H319 H317 H412	
01-2119463471-41		
271-846-8	oxirane, mono[[C12-14-alkyloxy)methyl] derivs.	5 - < 10 %
68609-97-2	Xi - Irritant R38-43 Skin Irrit. 2, Skin Sens. 1; H315 H317	
01-2119485289-22		

For Full text R-,H- and EUH-phrases: see section 16.

**SECTION 4: First Aid Measures****4.1 Description of first aid measures****General Information**

Change contaminated clothing. If you feel unwell due to accidental exposure, seek medical attention immediately.  
(show MSDS if possible)

**After inhalation**

Move to fresh air and keep warm and rest.

**After contact with skin**

After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water and soap. In case of skin irritation, seek medical treatment.

**After contact with eyes**

In case of contact with eyes, rinse immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart.  
Consult an ophthalmologist.

**After ingestion**

If swallowed, rinse mouth with water (only if the person is conscious) . Sip water. Do not induce vomiting.  
Immediately get medical attention.

**SECTION 5: Firefighting Measures****5.1 Extinguishing media****Suitable extinguishing media**

- alcohol resistant foam.
- Water spray.
- Carbon dioxide (CO<sub>2</sub>).
- dry extinguishing powder.

**Unsuitable extinguishing media**

- High power water jet.

**5.2 Special hazards arising from the substance or mixture**

Can be released in case of fire:

- Carbon monoxide
- Carbon dioxide
- Nitrogen oxides (NO<sub>x</sub>).

**5.3 Advise for firefighters**

In case of fire: Wear self-contained breathing apparatus.

**Additional information**

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

**SECTION 6: Accidental Release Measures****6.1 Personal precautions, protective equipment and emergency procedures**

Wear personal protection equipment. See protective measures under point 7 and 8. Provide adequate ventilation.

**6.2 Environmental precautions**

Do not empty into drains or the aquatic environment. Cover drains. Clean contaminated objects and areas thoroughly observing environmental regulations. In case of gas being released or leakage into waters, ground or the drainage

system, the appropriate authorities must be informed.

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

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Remove mechanically, placing in appropriate containers for disposal.

### **6.4 References to other sections**

Personal protection equipment refer to chapter 8.

## **SECTION 7: Handling and Storage**

### **7.1 Precautions for safe handling**

Wear protective clothing. Close container tightly once it is no longer in use. Store away from direct sunlight, heat, spark, fire and other sources of ignition. Empty containers may still contain mixed or unmixed materials, which may be hazardous.

### **7.2 Storage**

Keep in closed, original container. Store container in a cool, dry and ventilated area. Protect from direct sunlight an heat or heating elements. Do not store near spark, fire and other sources of ignition. Keep away from food, beverages and animal feed. Keep away from oxidizing agents. Protect from frost, humidity and heat.

## **SECTION 8: Exposure Controls/Personal Protection**

### **8.1 Exposure Limits & Controls**

#### **OSHA**

No limit values from OSHA. Use in a well-ventilated area.

#### **Skin Protection**

Use protective clothing to prevent skin contact. Wear nitrile or butyl rubber gloves. Ensure the chemical resistance of the gloves is suitable for use with these chemicals.

#### **Eye Protection**

Wear tight-fitting, protective goggles or face shield.

#### **Respiratory Protection**

When applying material in confined spaces, use appropriate NIOSH mask. When applying in vented spaces, respiratory protection is not required unless there are sensitivities to chemicals listed in MSDS.

#### **Body Protection**

For protection against direct skin contact, ensure protective clothing covers all exposed skin areas.

#### **General Protection & Hygiene**

Avoid contact with skin, eyes and clothing. In case of skin sensitivity, protect skin with protective skin cream. Remove contaminated clothing immediately. Do not eat, drink or smoke in or around application area. Wash hands before taking breaks and at the end of application.

## **SECTION 9: Physical and Chemical Properties**

**Physical State:** Liquid

**Color:** Transparent

<b>Odor:</b>	Low
<b>PH-Value:</b>	No Data Available

**Changes in physical state**

Melting point	No Data Available
Initial Boiling point and boiling range	No Data Available
Sublimation point	No Data Available
Softening point	No Data Available
Pour Point	No Data Available
Flash point:	> 203 °F

**Flammability**

Solid	No Data Available
Gas	No Data Available
Lower explosion limits	No Data Available
Upper explosion limits	No Data Available
Ignition temperature	No Data Available

**Auto-ignition temperature**

Solid	No Data Available
Gas	No Data Available
Decompression Temperature	No Data Available
Vapor Pressure	No Data Available
Density at 73 °F	~1.1 g/cm <sup>3</sup>
Partition coefficient:	No Data Available
Viscosity/Dynamic (at 73 °F)	~850 CPS
Viscosity/Kinematic	No Data Available
Flow Time	No Data Available
Vapor Density	No Data Available
Evaporation Rate	No Data Available

**SECTION 10: Stability and Reactivity****10.1 Reactivity**

No dangerous reactions by handling and stock-keeping according to the guidelines.

**10.2 Chemical Stability**

No decomposition if used according to guidelines.

**10.3 Possibility of hazardous reactions**

Reacts with:

- Amines
- Acid
- Alkalis

**10.4 Conditions to avoid**

No Data Available

**10.5 Incompatible materials**

No Data Available

### 10.6 Hazardous decomposition products

Gas/Vapors, irritant

## SECTION 11: Toxicological Information

### 11.1 Information on toxicological effects

#### Acute toxicity

Based on available data, the classification criteria are not met.

#### Acute toxicity

CAS No	Chemical name				
	Exposure routes	Method	Dose	Species	Source
25068-38-6	epoxy resin (number average molecular weight <= 700), reaction product: bisphenol-A-(epichlorhydrin)				
	oral	LD50	15000 mg/kg	Rat	
	dermal	LD50	23000 mg/kg	Rabbit	
9003-36-5	epoxy resin (number average molecular weight <= 700), reaction product: bisphenol-F-(epichlorhydrin)				
	oral	LD50	>10000 mg/kg	Rat	
	dermal	LD50	>2000 mg/kg	Rat	

#### Irritation and corrosivity

Causes skin irritation.

Causes serious eye irritation.

#### Sensitizing effects

May cause an allergic skin reaction. (epoxy resin (number average molecular weight <= 700), reaction product: bisphenol-A-(epichlorhydrin)), (epoxy resin (number average molecular weight <= 700), reaction product: bisphenol-F-(epichlorhydrin)), (oxirane, mono[(C12-14-alkyloxy)methyl] derivs.)

May cause heavy allergic reactions with chronic effects after a sensitization and a later exposure by very low amounts.

#### STOT-single exposure

Based on available data, the classification criteria are not met.

#### Severe effects after repeated or prolonged exposure

Based on available data, the classification criteria are not met.

#### Carcinogenic/mutagenic/toxic effects for reproduction

Based on available data, the classification criteria are not met.

#### Aspiration hazard

Based on available data, the classification criteria are not met.

## SECTION 12: Ecological Information

### 12.1 Toxicity

CAS No	Chemical name					
	Aquatic toxicity	Method	Dose	[h]   [d]	Species	Source
25068-38-6	epoxy resin (number average molecular weight <= 700), reaction product: bisphenol-A-(epichlorhydrin)					
	Acute fish toxicity	LC50	2,0 mg/l	96 h	Leuciscus idus (golden orfe)	
	Acute algae toxicity	ErC50	11 mg/l	72 h		
	Acute crustacea toxicity	EC50	1,8 mg/l	48 h	daphnia	
9003-36-5	epoxy resin (number average molecular weight <= 700), reaction product: bisphenol-F-(epichlorhydrin)					
	Acute fish toxicity	LC50	2,54 mg/l	96 h	Leuciscus idus (golden orfe)	
	Acute algae toxicity	ErC50	1,8 mg/l	72 h		
	Acute crustacea toxicity	EC50	2,55 mg/l	48 h	daphnia	

### 12.2 Persistence and degradability

No information available.

### 12.3 Bioaccumulative potential

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
25068-38-6	epoxy resin (number average molecular weight <= 700), reaction product: bisphenol-A-(epichlorhydrin)	3,242
9003-36-5	epoxy resin (number average molecular weight <= 700), reaction product: bisphenol-F-(epichlorhydrin)	3,6

### 12.4 Mobility in soil

No information available.

#### Further Information

Toxic to aquatic life with long lasting effects. Do not empty into drains or aquatic environments.

## SECTION 13: Disposal Considerations

### 13.1 Product Disposal

Containers that have been completely emptied may be recycled per federal, state and local regulations and disposal guidelines. Containers that have not been emptied or contain product residue may still contain hazardous materials and should be disposed of in accordance with federal, state and local regulations regarding hazardous material disposal.

## SECTION 14: Transportation Information

### Land transport (ADR/RID)

- 14.1. UN number: UN 3082
- 14.2. UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (epoxy resin)
- 14.3. Transport hazard class(es): 9
- 14.4. Packing group: III
- Hazard label: 9
- Classification code: M6
- Special Provisions: 274 335 601
- Limited quantity: 5 L
- Transport category: 3
- Hazard No: 90
- Tunnel restriction code: E

#### Other applicable information (land transport)

E1

### Inland waterways transport (ADN)

- 14.1. UN number: UN 3082
- 14.2. UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (epoxy resin)
- 14.3. Transport hazard class(es): 9
- 14.4. Packing group: III
- Hazard label: 9
- Classification code: M6
- Special Provisions: 274 335 601
- Limited quantity: 5 L

**Other applicable information (inland waterways transport)**

E1

**Marine transport (IMDG)**

**14.1. UN number:** UN 3082  
**14.2. UN proper shipping name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (epoxy resin)  
**14.3. Transport hazard class(es):** 9  
**14.4. Packing group:** III  
Hazard label: 9  
Marine pollutant: yes  
Special Provisions: 274, 335  
Limited quantity: 5 L  
EmS: F-A, S-F

**Other applicable information (marine transport)**

E1

**Air transport (ICAO)**

**14.1. UN number:** UN 3082  
**14.2. UN proper shipping name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (epoxy resin)  
**14.3. Transport hazard class(es):** 9  
**14.4. Packing group:** III  
Hazard label: 9  
Special Provisions: A97 A158  
Limited quantity Passenger: 30 kg G  
IATA-packing instructions - Passenger: 964  
IATA-max. quantity - Passenger: 450 L  
IATA-packing instructions - Cargo: 964  
IATA-max. quantity -Cargo: 450 L

**Other applicable information (air transport)**

E1

: Y964

**14.5. Environmental hazards**

ENVIRONMENTALLY HAZARDOUS: yes  
Danger releasing substance: epoxy resin

**SECTION 15: Regulatory Information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulatory information****Additional information**

EU-Limit (2004/42) of VOC-content of the product ready for use (cat. All / j Typ sb): 500 g/l (2010).  
This product (Part A+ B) contains <500 g/l (2010).

**National regulatory information**

Water contaminating class (D): 2 - water contaminating



**SECTION 16: Other Information****Relevant R-phrases (Number and full text)**

36/38	Irritating to eyes and skin.
38	Irritating to skin.
43	May cause sensitization by skin contact.
51	Toxic to aquatic organisms.
52	Harmful to aquatic organisms.
53	May cause long-term adverse effects in the aquatic environment.

**Relevant H- and EUH-phrases (Number and full text)**

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.
EUH205	Contains epoxy constituents. May produce an allergic reaction.

**Further Information**

*To the best of our knowledge, the information contained in this MSDS is accurate. It is intended to assist the user in his evaluation of the product's hazards, and safety precautions to be taken in its use. The data on this MSDS relate only to the specific material designated herein. We do not assume any liability for the use of, or reliance on this information, nor do we guarantee its accuracy or completeness.*