

01 CHEMICAL PRODUCT & COMPANY IDENTIFICATION

Product Trade Name	AC Tech 2170 FC ZERO (PART A)	
Chemical Family	Resin for two part epoxy adhesive.	
Product Use	Chemical Product for construction and industrial use.	
Manufacturer	Allied Construction Technologies Inc 3302 Croft Street Norfolk, VA 23513	Phone: (757) 855 – 5100 Email: info@actamerican.net
Emergency Phone	U.S. & Canada: Infotrac: (800) 535-5053 (Contract #104212) International: Infotrac: 1-352-323-3500	

02 HAZARD IDENTIFICATION

Emergency Overview	Xi - Irritant.
R-Phrases	Irritant to skin and eyes. May cause sensitization by skin contact.

NFPA ratings	Health: 1	Fire: 1	Reactivity: 0
HMIS ratings	Health: 1	Flammability: 1	Physical Hazard: 0

03 COMPOSITION / INFORMATION ON INGREDIENTS

CAS No.	Chemical name	Quantity	Classification
68609-97-2	Oxirane, mono[(C12-14-alkyloxy)methyl] derivate	< 25 %	
25068-38-6	Reaction product of Bisphenol-A and Epichlorohydrin resin (Mn ≤ 700)	> 25 %	
9003-36-5	Reaction product of Bisphenol-F and Epichlorohydrin resin (Mn ≤ 700)	< 25 %	
16096-31-4	1,6-Hexamethylenediol diglycidyl ether	< 25 %	

04 FIRST AID MEASURES

Skin	Remove contaminated clothing immediately. Do not use solvents or thinners. In case of contact with skin, wash with soap and water. Consult a doctor if irritation persists.
Eyes	Wash eyes immediately with large amounts of water for about 5 minutes, especially under the eyelids. Consult an eye specialist immediately if irritation occurs.
Ingestion	If person is conscious, rinse mouth with water and give water to dilute stomach contents. Do not induce vomiting. Never give anything orally to an unconscious person. Seek medical attention immediately and show the doctor the packaging or label.
Inhalation	In the event of excessive inhalation, move individual to fresh air and keep immobile. In the event of symptoms seek medical assistance immediately.

05 FIREFIGHTING MEASURES

Flash point	>203 °F
Extinguishing Media Which Must	Alcohol resistant foam, dry powder, carbon dioxide, water spray jet
Hazardous Extinguishing Media	Full water jet not to be used.
Fire-Fighting Precautions	Do not inhale fire combustion gases or smoke.
Hazardous Combustion Products	Carbon monoxide (CO), carbon dioxide (CO2) and nitrogen oxides (NOx).
Special Fire-Fighting Procedures	Use self-contained breathing apparatus and full protective clothing to prevent contact with skin and eyes. Collect contaminated fire-fighting water separately; do not discharge into drains.

06 ACCIDENTAL RELEASE MEASURES

Spill & Leak Procedures	Wear appropriate personal protective equipment. Pick up using inert absorbents (sand, diatomaceous earth, acid binder, universal binder). Use only non-combustible absorbents. Place in suitable containers for disposal.
Pollution Control Measures	Do not allow untreated product into drains, surface or ground water. Do not discharge into subsoil/soil.

07 HANDLING & STORAGE

Handling	Take the usual precautions for handling chemicals. Refer to Section 8 – Personal Protection. If necessary, ensure proper local exhaust ventilation. Keep container closed when not in use. Avoid contact with heat, sparks, open flame or other ignition sources. Empty containers contain residual products and can be hazardous.
Storage	Keep in closed original container. Store container in a cool, dry and ventilated area. Protect from direct solar radiation and from heat/overheating. Keep away from food, beverages and animal feed. Keep away from oxidizing agents. Protect from frost, humidity and heat.

08 EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits & Controls	Use only in a well-ventilated area. Use closed process systems, local exhaust ventilation or other technical control systems to maintain exposure below limits. Use explosion proof ventilation systems.
Skin Protection	Use protective clothing to prevent skin contact. Wear nitrile or butyl rubber gloves. During special applications, it is recommended to check the chemical resistance with the manufacturer of the gloves.
Eye Protection	Wear safety mono-goggles and face shield
Respiratory Protection	Use NIOSH approved respirator in the event of insufficient ventilation and aerosol or mist formation.
General Protection & Hygiene	Do not inhale gases/vapors/aerosols. Avoid contact with eyes and skin. Do not eat, drink or smoke when working. Wash hands/or face before taking breaks and at the end of work. Remove soiled or soaked clothing immediately.

09 PHYSICAL & CHEMICAL PROPERTIES

Physical State	Liquid
Color	Transparent
Flashpoint	>203 °F
Density (68°F)	~1.1 g/cm ³
Solubility in Water	Not miscible
Dynamic Viscosity (73.4°F)	~950 CPS
Physical Form	Liquid
Odor	Slight

10 STABILITY & REACTIVITY

Chemical Stability	Stable, no decomposition occurs if used as directed.
Hazardous Decomposition Products	Carbon monoxide and carbon dioxide and nitrous oxides (NOx)
Incompatibilities	Keep away from ignition sources (sparks, flame). Reacts with strong acids, alkalis and oxidizing agents.

11 TOXICOLOGY INFORMATION

CAS No.	Chemical Name	Species	Acute Toxicity Estimate
16096-31-4	1,6-Hexamethylenediol diglycidyl ether	Rat	oral LD50: > 8500 mg/kg
		Rabbit	derma LD50: > 4900 mg/kg

Inhalation	Can cause irritation.
Ingestion	Irritant to mouth, throat and stomach.
Skin Irritation	Irritant.
Eye Irritation	Irritant.
Sensitization	Can cause sensitization through inhalation and skin contact.
General Experience	After sensitization occurs, exposure to very small amounts can provoke a severe allergic reaction with chronic effects.

12 ECOLOGICAL INFORMATION

CAS No.	Chemical Name	Aquatic	Acute Toxicity Estimate	Hours	Species
16096-31-4	1,6-Hexamethylenediol diglycidyl ether	Fish	LC50: > 30 mg/l	96	Leuciscus idus
		Crustacean	EC50: > 47 mg/l	48	Daphnia

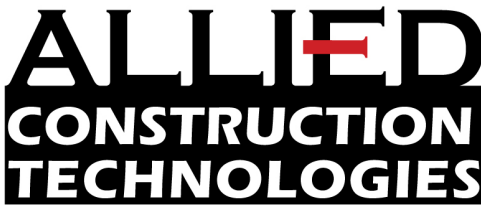
Additional Information	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Do not discharge product into the environment. Do not release into the aquatic environment.
-------------------------------	---

13 DISPOSAL CONSIDERATIONS

Product Disposal	Dispose in accordance with federal, state or local regulations. Empty packaging can be disposed via recyclable waste collectors.
-------------------------	--

14 TRANSPORTATION INFORMATION

TDG / DOT Shipping Name	UN 3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Epichlorohydrin), Class 9, PG III
Marine Transport IMDG	UN 3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Epichlorohydrin), Class 9, PG III



Material Safety Data Sheet (ANSI Z400.1-2004)
Printed 5.21.2013
Revision 1.06
Product Name AC Tech 2170 FC ZERO (PART A)

Air Transport ICAO/IATA

UN 3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Epichlorohydrin),
Class 9, PG III

15 REGULATORY INFORMATION

Note: Entries under Section 15 cover only those regulations typically addressed in the MSDS generating process, such as TSCA and EPCRA/SARA Title III.

USA TSCA Status

All of the components are on the TSCA Inventory.

Canadian DSL Status

All of the components are listed on the DSL Inventory.

SARA Title III

To the best of our knowledge this product contains no toxic chemicals subject to the supplier notification requirements of Section 313 of the Superfund Amendments and Reauthorization Act (SARA/EPCRA) and the requirements of 40 CFR Part 372.

16 OTHER INFORMATION

Further Information

Federal and local chemical regulations should be observed.

HAZCOM Label

CAUTION !

IRRITANT TO SKIN AND EYES.

MAY CAUSE SENSITIZATION BY SKIN CONTACT.

***Data changed compared with the previous version**

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.