

### 1. Product and Company Identification

**Product Code:** C944B  
**Product Name:** Ultraweld Epoxy Steel - Hardener  
**Company Name:** CYCLO INDUSTRIES  
902 SOUTH US HIGHWAY 1  
JUPITER, FL 33477  
**Phone Number:** (800)843-7813

**Web site address:** www.cyclo.com  
**Email address:** ehs@cyclo.com  
**Emergency Contact:** CHEMTREC (800)424-9300  
001 (703)741-5970

**Intended Use:** Epoxy

### 2. Hazards Identification

**Acute Toxicity: Inhalation, Category 3**  
**Acute Toxicity: Oral, Category 3**  
**Acute Toxicity: Skin, Category 3**  
**Skin Corrosion/Irritation, Category 1C**  
**Serious Eye Damage/Eye Irritation, Category 2A**  
**Skin Sensitization, Category 1**  
**Carcinogenicity, Category 1B**



**GHS Signal Word:** **Danger**

**GHS Hazard Phrases:** 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.  
H350 - May cause cancer.

**GHS Precaution Phrases:** P201 - Obtain special instructions before use.  
P202 - Do not handle until all safety precautions have been read and understood.  
P261 - Avoid breathing dust/fume/gas/mist/vapors/spray.  
P264 - Wash hands thoroughly after handling.  
P270 - Do not eat, drink or smoke when using this product.  
P271 - Use only outdoors or in a well-ventilated area.  
P272 - Contaminated work clothing should not be allowed out of the workplace.  
P280 - Wear protective gloves/protective clothing/eye protection/face protection.

**GHS Response Phrases:** P301+330+331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
P304+341 - IF INHALED: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing.  
P303+361+353 - IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.  
P305+351+338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P309+311 - Call a POISON CENTER or doctor/physician if exposed or you feel unwell.

**GHS Storage and Disposal Phrases:** P403 - Store in well-ventilated place.



### 3. Composition/Information on Ingredients

CAS #	Hazardous Components (Chemical Name)	Concentration
90-72-2	2,4,6-Tris(Dimethylaminomethyl)Phenol	10.0 -15.0 %
67843-74-7	(S)-(+)-Epichlorohydrin	< 2.0 %

### 4. First Aid Measures

**Emergency and First Aid Procedures:**

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
IF INHALED: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing.  
IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
Call a POISON CENTER or doctor/physician if exposed or you feel unwell.

**Indication of any immediate medical attention and special treatment needed:** Most important symptoms & effects both acute & delayed: Most important known symptoms & effects are described in the Labeling Section (see Section 2).

### 5. Fire Fighting Measures

**Flash Pt:** 480.00 F (248.9 C) Method Used: Pensky-Marten Closed Cup

**Explosive Limits:** LEL: N.E. UEL: N.E.

**Autoignition Pt:** NE

**Suitable Extinguishing Media:** Water fog, carbon dioxide, foam, dry chemical.

**Fire Fighting Instructions:** Use NIOSH/MSHA approved positive pressure self-contained breathing apparatus when any material is involved in a fire.

**Flammable Properties and Hazards:** No data available.

**Hazardous Combustion Products:** Oxides of carbon.

### 6. Accidental Release Measures

**Steps To Be Taken In Case Material Is Released Or Spilled:** Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container.

### 7. Handling and Storage

**Precautions To Be Taken in Handling:** Obtain special instructions before use.  
Do not handle until all safety precautions have been read and understood.  
Avoid breathing dust/fume/gas/mist/vapors/spray.  
Wash hands thoroughly after handling.  
Do not eat, drink or smoke when using this product.  
Use only outdoors or in a well-ventilated area.  
Contaminated work clothing should not be allowed out of the workplace.  
Wear protective gloves/protective clothing/eye protection/face protection.  
Keep out of the reach of children.

**Precautions To Be Taken in Storing:** Store container tightly closed in well-ventilated place.



## 8. Exposure Controls/Personal Protection

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
90-72-2	2,4,6-Tris(Dimethylaminomethyl)Phenol	No data.	No data.	No data.
67843-74-7	(S)-(+)-Epichlorohydrin	No data.	No data.	No data.

**Respiratory Equipment (Specify Type):** NIOSH/MSHA approved respirator when exposure is expected to exceed applicable limits.

**Eye Protection:** Safety glasses.

**Protective Gloves:** Chemical resistant gloves.

**Other Protective Clothing:** Clothes to prevent skin contact.

**Engineering Controls (Ventilation etc.):** Local exhaust ventilation as necessary to maintain exposures within applicable limits.

## 9. Physical and Chemical Properties

**Physical States:** [ ] Gas [ X ] Liquid [ ] Solid

**Appearance and Odor:** Clear. Viscous. Liquid.

**pH:** No data.

**Melting Point:** NE

**Boiling Point:** > 500.00 F (260.0 C)

**Flash Pt:** 480.00 F (248.9 C) Method Used: Pensky-Marten Closed Cup

**Evaporation Rate:** No data.

**Flammability (solid, gas):** No data available.

**Explosive Limits:** LEL: N.E. UEL: N.E.

**Vapor Pressure (vs. Air or mm Hg):** .030 MM\_HG at 77.0 F (25.0 C)

**Vapor Density (vs. Air = 1):** > 1

**Specific Gravity (Water = 1):** 1.168 at 68.0 F (20.0 C)

**Solubility in Water:** Negligible

**Octanol/Water Partition Coefficient:** No data.

**Percent Volatile:** < 1.0 % by weight.

**Autoignition Pt:** NE

**Decomposition Temperature:** NE

**Viscosity:** No data.

## 10. Stability and Reactivity

**Stability:** Unstable [ ] Stable [ X ]

**Conditions To Avoid - Instability:** No data available.

**Incompatibility - Materials To Avoid:** Amines. Strong oxidizing agents.

**Hazardous Decomposition or Byproducts:** Oxides of carbon.

**Possibility of Hazardous Reactions:** Will occur [ ] Will not occur [ X ]

**Conditions To Avoid - Hazardous Reactions:** No data available.



## 11. Toxicological Information

**Toxicological Information:** No data available.

CAS #	Hazardous Components (Chemical Name)	NTP	IARC	ACGIH	OSHA
90-72-2	2,4,6-Tris(Dimethylaminomethyl)Phenol	n.a.	n.a.	n.a.	n.a.
67843-74-7	(S)-(+)-Epichlorohydrin	n.a.	n.a.	n.a.	n.a.

## 12. Ecological Information

No data available.

## 13. Disposal Considerations

**Waste Disposal Method:** Dispose of contents/container in accordance with local/regional/national/international regulations.

## 14. Transport Information

**LAND TRANSPORT (US DOT):**

**DOT Proper Shipping Name:** Not-Regulated.

**DOT Hazard Class:**

**UN/NA Number:**

**LAND TRANSPORT (Canadian TDG):**

**TDG Shipping Name:** Not-Regulated.

**LAND TRANSPORT (European ADR/RID):**

**ADR/RID Shipping Name:** Not-Regulated.

**UN Number:**

**Hazard Class:**

**MARINE TRANSPORT (IMDG/IMO):**

**IMDG/IMO Shipping Name:** Not-Regulated.

**UN Number:**

**Hazard Class:**

**Packing Group:**

**IMDG MFAG Number:**

**Marine Pollutant:** No

**IMDG EMS Page:**

**AIR TRANSPORT (ICAO/IATA):**

**ICAO/IATA Shipping Name:** Not-Regulated.

## 15. Regulatory Information

**EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists**

CAS #	Hazardous Components (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
90-72-2	2,4,6-Tris(Dimethylaminomethyl)Phenol	No	No	No
67843-74-7	(S)-(+)-Epichlorohydrin	No	No	No

**CAS # Hazardous Components (Chemical Name)**

**Other US EPA or State Lists**

90-72-2	2,4,6-Tris(Dimethylaminomethyl)Phenol	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; FIFRA: No; FDA/DEA CSA: No; CA PROP.65: No; CA TAC, Title 8: No; MA Oil/HazMat: No; MI CMR, Part 5: No; NC TAP: No; NJ EHS: No; NY Part 597: No; PA HSL: No; SC TAP: No; WI Air: No
67843-74-7	(S)-(+)-Epichlorohydrin	CAA HAP,ODC: No; CWA NPDES: No; TSCA: No; FIFRA: No; FDA/DEA CSA: No; CA PROP.65: No; CA TAC, Title 8: No; MA Oil/HazMat: No; MI CMR, Part 5: No; NC TAP: No; NJ EHS: No; NY Part 597: No; PA HSL: No; SC TAP: No; WI Air: No



# SAFETY DATA SHEET

## Ultraweld Epoxy Steel - Hardener

Revision: 08/24/2017  
Supersedes Revision: 05/20/2014

**CAS #**  
90-72-2

**Hazardous Components (Chemical Name)**  
2,4,6-Tris(Dimethylaminomethyl)Phenol

### International Regulatory Lists

Canadian DSL: Yes; Canadian NDSL: No; Mexico INSQ: Yes; Australia ICS: Yes; New Zealand IOC: Yes; China IECSC: Yes; Japan ENCS: Yes - 3-776; Japan ISHL: No; Korea ECL: Yes - KE-34802; Philippines ICCS: Yes; Taiwan TCSCA: Yes; Singapore HSL: No; REACH: Yes - (R), (P)

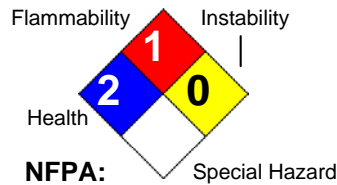
67843-74-7 (S)-(+)-Epichlorohydrin

Canadian DSL: No; Canadian NDSL: No; Mexico INSQ: No; Australia ICS: No; New Zealand IOC: No; China IECSC: No; Japan ENCS: Yes - 2-275; Japan ISHL: No; Korea ECL: KE-05-0592; Philippines ICCS: No; Taiwan TCSCA: Yes; Singapore HSL: No; REACH: Yes - (R), (P)

## 16. Other Information

**Revision Date:** 08/24/2017

**Hazard Rating System:**



**Additional Information About** No data available.

**This Product:**

**Company Policy or Disclaimer:**

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