



MATERIAL SAFETY DATA SHEET

Ultra Weld Clear Epoxy Hardener

CYCLO INDUSTRIES, INC.
401 MAPLEWOOD DRIVE
SUITE 18
JUPITER, FL 33458



Revision: 09/02/2010

Date Created: 09/02/2010

1. Product and Company Identification

Product Code: C-943 PART B
Product Name: Ultra Weld Clear Epoxy Hardener
Manufacturer Information
Company Name: CYCLO INDUSTRIES, INC.
Phone Number: (800)843-7813
Fax Number: (561)745-3867
Emergency Contact: First Aid Emergency (800)222-1222
Alternate Emergency Contact: Shipping Emergency (Chemtrec) (800)424-9300
Information: Emergency (Outside the U.S.) (312)906-6194
Web site address: www.cyclo.com
Email address: ehs@cyclo.com

2. Hazards Identification

Emergency Overview

Primary Routes of Entry: Skin, inhalation, ingestion.

Skin and eye irritant. May be harmful if swallowed. May be harmful if inhaled in large amounts or for prolonged periods.

Health Hazards (Acute and Chronic)

No data available.

Signs and Symptoms Of Exposure

No data available.

3. Composition/Information on Ingredients

Hazardous Components (Chemical Name)	CAS #	Concentration
1. 2,4,6-Tris(Dimethylaminomethyl)Phenol	90-72-2	10.0 -15.0 %
2. Mercaptan-terminated polymer	NA	>90.0 %

4. First Aid Measures

Emergency and First Aid Procedures

If swallowed, do not induce vomiting. Keep airway clear. Never give anything by mouth to an unconscious person. Have patient drink several glasses of water or milk. If inhaled, remove to fresh air. In case of eye contact, flush eyes with water for at least 15 minutes while holding eyelids apart. In case of skin contact, remove contaminated clothing. Wash exposed area with soap and water. Launder clothing before reuse. Call physician immediately if adverse reaction occurs.

5. Fire Fighting Measures

Flash Pt: 480.00 F (248.9 C) Method Used: Pensky-Marten Closed Cup
Explosive Limits: LEL: No data. UEL: No data.
Special Fire Fighting Procedures

Water or foam may cause frothing which can be violent and possibly endanger the life of the firefighter. Water may be used to keep fire-exposed containers cool until fire is out. Wear a self-contained breathing apparatus with a full face piece operated in the positive pressure demand mode with appropriate turn-out gear and chemical resistant personal protective equipment.



Unusual Fire and Explosion Hazards

No data available.

Hazardous Combustion Products

May form: carbon dioxide and carbon monoxide, various hydrocarbons.

Suitable Extinguishing Media

Water fog, carbon dioxide, dry chemical.

Unsuitable Extinguishing Media

No data available.

6. Accidental Release Measures

Steps To Be Taken In Case Material Is Released Or Spilled

Small Spill: Absorb liquid on vermiculite, floor absorbent or other absorbent material.

Large Spill: Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed. Stop spill at once, dike area of spill to prevent spreading, pump liquid to salvage tank.

Remaining liquid may be taken up on sand, clay, earth, floor absorbent material and shoveled into containers.

7. Handling and Storage

Precautions To Be Taken in Handling

Containers of this material may be hazardous when emptied. Since emptied containers retain product residues (vapor, liquid, and/or solid), all hazard precautions given in the data sheet must be observed. Keep out of the reach of children.

8. Exposure Controls/Personal Protection

Hazardous Components (Chemical Name)	CAS #	OSHA PEL	ACGIH TLV	Other Limits
1. 2,4,6-Tris(Dimethylaminomethyl)Phenol	90-72-2	No data.	No data.	No data.
2. Mercaptan-terminated polymer	NA	No data.	No data.	No data.

Respiratory Equipment (Specify Type)

If overexposure has been determined or documented, a NIOSH/MSHA jointly approved air supplied respirator is advised in the absence of proper environmental control. OSHA regulations also permit other NIOSH/MSHA respirators under specified conditions. Engineering or administrative controls should be implemented to reduce exposure.

Eye Protection

Chemical splash goggles in compliance with OSHA regulations are advised; however, OSHA regulations also permit other type safety glasses.

Protective Gloves

Wear resistant gloves such as natural rubber.

Other Protective Clothing

To prevent repeated or prolonged skin contact, wear impervious clothing and boots.

Ventilation

Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below level of overexposure (from known, suspected or apparent adverse effects).

9. Physical and Chemical Properties

Physical States:	[] Gas [X] Liquid [] Solid
Melting Point:	No data.
Boiling Point:	> 500.00 F (260.0 C)
Autoignition Pt:	No data.
Flash Pt:	480.00 F (248.9 C) Method Used: Pensky-Marten Closed Cup
Explosive Limits:	LEL: No data. UEL: No data.



Specific Gravity (Water = 1): 1.168@77F
Bulk density: No data.
Vapor Pressure (vs. Air or mm Hg): .030mmHg@77F
Vapor Density (vs. Air = 1): > 1
Evaporation Rate (vs Butyl Acetate=1): No data.
Solubility in Water: Negligible
Percent Volatile: No data.
Heat Value: No data.
Particle Size: No data.
Corrosion Rate: No data.
pH: NP

Appearance and Odor

Clear, viscous liquid.

10. Stability and Reactivity

Stability: Unstable [] Stable [X]

Conditions To Avoid - Instability

No data available.

Incompatibility - Materials To Avoid

Amines, strong alkalis, strong mineral acids, strong oxidizing agents.

Hazardous Decomposition Or Byproducts

May form: carbon dioxide and carbon monoxide, various hydrocarbons.

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

Conditions To Avoid - Hazardous Reactions

No data available.

11. Toxicological Information

No data available.

Carcinogenicity/Other Information

No data available.

Hazardous Components (Chemical Name)	CAS #	NTP	IARC	ACGIH	OSHA
1. 2,4,6-Tris(Dimethylaminomethyl)Phenol	90-72-2	n.a.	n.a.	n.a.	n.a.
2. Mercaptan-terminated polymer	NA	n.a.	n.a.	n.a.	n.a.

Carcinogenicity: NTP? No IARC Monographs? No OSHA Regulated? No

12. Ecological Information

No data available.

13. Disposal Considerations

Waste Disposal Method

Disposal should be made in accordance with federal, state and local regulations.

14. Transport Information

LAND TRANSPORT (US DOT)

DOT Proper Shipping Name ORM-D

MARINE TRANSPORT (IMDG/IMO)

IMDG/IMO Proper Shipping Name Polyamines, liquid, corrosive, n.o.s. Ltd Qty

UN Number: 2735



Packing Group: III
IMDG Classification: 8

15. Regulatory Information

US EPA SARA Title III

Hazardous Components (Chemical Name)	CAS #	Sec.302 (EHS)	Sec.304 RQ	Sec.313 (TRI)	Sec.110
1. 2,4,6-Tris(Dimethylaminomethyl)Phenol	90-72-2	No	No	No	No
2. Mercaptan-terminated polymer	NA	No	No	No	No

Other US EPA or State Lists

Hazardous Components (Chemical Name)	CAS #	CAA HAP,ODC	CWA NPDES	TSCA	CA PROP.65
1. 2,4,6-Tris(Dimethylaminomethyl)Phenol	90-72-2	No	No	Inventory	No
2. Mercaptan-terminated polymer	NA	No	No	No	No

Hazardous Components (Chemical Name)	CAS #	CA TAC, Title 8	MA Oil/HazMat	MI CMR, Part 5	NC TAP
1. 2,4,6-Tris(Dimethylaminomethyl)Phenol	90-72-2	No	No	No	No
2. Mercaptan-terminated polymer	NA	No	No	No	No

Hazardous Components (Chemical Name)	CAS #	NJ EHS	NY Part 597	PA HSL	SC TAP
1. 2,4,6-Tris(Dimethylaminomethyl)Phenol	90-72-2	No	No	Yes - No	No
2. Mercaptan-terminated polymer	NA	No	No	Yes - No	No

Hazardous Components (Chemical Name)	CAS #	WI Air
1. 2,4,6-Tris(Dimethylaminomethyl)Phenol	90-72-2	No
2. Mercaptan-terminated polymer	NA	No

International Regulatory Lists

Hazardous Components (Chemical Name)	CAS #	Canadian DSL	Canadian NDSL	Taiwan TCSCA
1. 2,4,6-Tris(Dimethylaminomethyl)Phenol	90-72-2	No	No	No
2. Mercaptan-terminated polymer	NA	No	No	No

SARA (Superfund Amendments and Reauthorization Act of 1986) Lists:

- Sec.302:** EPA SARA Title III Section 302 Extremely Hazardous Chemical with TPQ. * indicates 10000 LB TPQ if not volatile.
- Sec.304:** EPA SARA Title III Section 304: CERCLA Reportable + Sec.302 with Reportable Quantity. ** indicates statutory RQ.
- Sec.313:** EPA SARA Title III Section 313 Toxic Release Inventory. Note: -Cat indicates a member of a chemical category.
- Sec.110:** EPA SARA 110 Superfund Site Priority Contaminant List

TSCA (Toxic Substances Control Act) Lists:

- Inventory:** Chemical Listed in the TSCA Inventory.
- 5A(2):** Chemical Subject to Significant New Rules (SNURS)
- 6A:** Commercial Chemical Control Rules
- 8A:** Toxic Substances Subject To Information Rules on Production
- 8A CAIR:** Comprehensive Assessment Information Rules - (CAIR)
- 8A PAIR:** Preliminary Assessment Information Rules - (PAIR)
- 8C:** Records of Allegations of Significant Adverse Reactions
- 8D:** Health and Safety Data Reporting Rules
- 8D TERM:** Health and Safety Data Reporting Rule Terminations
- 12(b):** Notice of Export

Other Important Lists:

- CWA NPDES:** EPA Clean Water Act NPDES Permit Chemical
- CAA HAP:** EPA Clean Air Act Hazardous Air Pollutant
- CAA ODC:** EPA Clean Air Act Ozone Depleting Chemical (1=CFC, 2=HCFC)
- CA PROP 65:** California Proposition 65



MATERIAL SAFETY DATA SHEET

Ultra Weld Clear Epoxy Hardener

Page: 5

Revision: 09/02/2010

CA TAC:	California AB 1807 - Toxic Air Contaminants
CA Title 8:	California Hazardous Substances List: Title 8, Sec. 339
MI CMR:	Michigan Critical Materials Register
MI Part 5:	Michigan DEQ WRP Part 5 Pollutants List
NC TAP:	North Carolina Toxic Air Pollutants
NJ EHS:	New Jersey Environmental Hazardous Substances List
NY Part 597:	New York Part 597 List of Hazardous Substances
PA HSL:	Pennsylvania Hazardous Substances List
SC TAP:	South Carolina Toxic Air Pollutants
WI Air:	Wisconsin Reportable Air Contaminants

International Regulatory Lists:

Canadian DSL:	Canada Domestic Substances List
Canadian NDSL:	Canada Non-Domestic Substances List
Taiwan TCSCA:	Taiwan Toxic Chemical Substances Control Act of 1986

16. Other Information

Company Policy or Disclaimer

Cyclo Industries, Inc. provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. Individuals receiving this information must exercise their independent judgment in determining its appropriateness for a particular purpose. Cyclo Industries, Inc. makes no representations or warranties, either expressed or implied, of merchantability, fitness for a particular purpose with respect to the information set forth herein or to the product to which the information refers. Accordingly, Cyclo Industries, Inc. will not be responsible for damages resulting from use of or reliance upon this information.