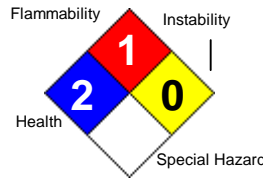




MATERIAL SAFETY DATA SHEET

Ultraweld Epoxy Steel - Resin

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



Revision: 10/01/2010

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1. Product and Company Identification

Product Code: C-944 A
Product Name: Ultraweld Epoxy Steel - Resin
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: Chemtrec (703) 527-3887 (800)424-9300
Information: First Aid Emergency (Outside U.S.) (312)906-6194
Web site address: www.cyclo.com
Email address: ehs@cyclo.com

2. Hazards Identification

Emergency Overview

No data available.

Potential Health Effects (Acute and Chronic)

Eyes: May cause mild eye irritation. Symptoms include stinging, tearing and redness.

Skin: Can cause skin irritation. Symptoms may include redness and burning of skin and other skin damage. Additional symptoms of skin contact may include: allergic skin reaction (delayed skin rash which may be followed by blistering, scaling and other skin effects).

Swallowing: Swallowing small amounts of this material during normal handling is not likely to cause harmful effects. Swallowing large amounts may be harmful.

Inhalation: Breathing of vapor or mist is possible.

Target Organ Effects: Overexposure to this material (or its components) has been suggested as a cause of the following effects in humans: skin sensitization.

Signs and Symptoms Of Exposure

No data available.

Medical Conditions Generally Aggravated By Exposure

No data available.

3. Composition/Information on Ingredients

Hazardous Components (Chemical Name)	CAS #	Concentration
1. Bisphenol-A based epoxy resin	25068-38-6	40.0 -50.0 %

4. First Aid Measures

Emergency and First Aid Procedures

If swallowed, if individual is drowsy or unconscious, do not give anything by mouth; place individual on the left side with the head down. Contact a physician, medical facility or poison control center for advice about whether to induce vomiting. If possible, do not leave individual unattended. If inhaled, remove to fresh air. If breathing is difficult, administer oxygen. Keep person warm and quiet. 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.
Autoignition Pt: No data available.

Fire Fighting Instructions

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 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.

Flammable Properties and 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 source, 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 (vapors, liquid and/or solid) all hazard precautions given in the data sheet must be observed. Keep out of the reach of children.

Precautions To Be Taken in Storing

No data available.

8. Exposure Controls/Personal Protection

Hazardous Components (Chemical Name)	CAS #	OSHA PEL	ACGIH TLV	Other Limits
1. Bisphenol-A based epoxy resin	25068-38-6	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 absence of proper environmental control. OSHA regulations also permit other NIOSH/MSHA respirators under specified conditions. (See your safety equipment supplier.) 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.

Engineering Controls (Ventilation etc.)

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

Work/Hygienic/Maintenance Practices

No data available.

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
Specific Gravity (Water = 1):	1.168 at 68.0 F (20.0 C)
Vapor Pressure (vs. Air or mm Hg):	.030 MM_HG at 77.0 F (25.0 C)
Vapor Density (vs. Air = 1):	> 1
Evaporation Rate (vs Butyl Acetate=1):	No data.
Solubility in Water:	Negligible
Percent Volatile:	< 1.0 % by weight.
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.

Chronic Toxicological Effects

No data available.

Hazardous Components (Chemical Name)	CAS #	NTP	IARC	ACGIH	OSHA
1. Bisphenol-A based epoxy resin	25068-38-6	n.a.	n.a.	n.a.	n.a.



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 Not-Restricted

MARINE TRANSPORT (IMDG/IMO)

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

UN Number: 2735

Packing Group: III

IMDG Classification: 8

Additional Transport Information

No data available.

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. Bisphenol-A based epoxy resin	25068-38-6	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. Bisphenol-A based epoxy resin	25068-38-6	No	No	Inventory	No
Hazardous Components (Chemical Name)	CAS #	CA TAC, Title 8	MA Oil/HazMat	MI CMR, Part 5	NC TAP
1. Bisphenol-A based epoxy resin	25068-38-6	No	No	No	No
Hazardous Components (Chemical Name)	CAS #	NJ EHS	NY Part 597	PA HSL	SC TAP
1. Bisphenol-A based epoxy resin	25068-38-6	No	No	No	No
Hazardous Components (Chemical Name)	CAS #	WI Air			
1. Bisphenol-A based epoxy resin	25068-38-6	No			

International Regulatory Lists

Hazardous Components (Chemical Name)	CAS #	Canadian DSL	Canadian NDSL	Taiwan TCSCA
1. Bisphenol-A based epoxy resin	25068-38-6	Yes	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
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

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