

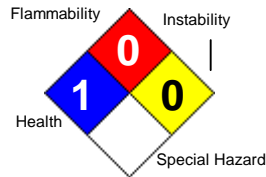


MATERIAL SAFETY DATA SHEET

Ultraweld Epoxy Stick

CYCLO INDUSTRIES, INC.
902 SOUTH US HIGHWAY 1
JUPITER, FL 33477

HEALTH		1
FLAMMABILITY		0
PHYSICAL		0
PPE		



Revision: 01/27/2012
Supersedes Revision: 12/14/2010
Date Created: 12/14/2010

1. Product and Company Identification

Product Code: C-301

Product Name: Ultraweld Epoxy Stick

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

WARNING: Eye & skin irritant.

Potential Health Effects (Acute and Chronic)

No data available.

Signs and Symptoms Of Exposure

Skin: Moderate irritant. May cause allergic skin reaction in sensitive individuals.

Eyes: Moderate irritant with direct contact. Causes tearing and redness.

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	<100.0 %
2. Mercaptan-terminated polymer	NA	10.0 %

4. First Aid Measures

Emergency and First Aid Procedures

If swallowed, do not induce vomiting. Give large amounts of water or milk if available. Not expected to be an inhalation hazard. If breathing is difficult, remove to fresh air and supply oxygen if necessary. In case of eye contact, flush with water for 15 minutes. In case of skin contact, wash thoroughly with soap and water. Remove contaminated clothing and launder before reuse. Call physician immediately if adverse reaction occurs.

5. Fire Fighting Measures

Flash Pt: > 500.00 F (260.0 C)

Explosive Limits: LEL: No data. UEL: No data.

Autoignition Pt: No data available.



Fire Fighting Instructions

Do not enter confined space without full protective gear including a positive pressure, self-contained, NIOSH approved breathing apparatus. Cool fire exposed containers with water.

Flammable Properties and Hazards

Container areas exposed to intense heat or flame should be cooled with water to prevent pressure build up and/or weakening of container structure.

Hazardous Combustion Products

Carbon monoxide, carbon dioxide, aldehydes, acids and other organic substances may be formed during high temperature degradation.

Suitable Extinguishing Media

Water, fog, foam, dry chemical, carbon dioxide.

Unsuitable Extinguishing Media

No data available.

6. Accidental Release Measures

Steps To Be Taken In Case Material Is Released Or Spilled

Paste material - not expected to be a spill hazard. Collect on absorbent material such as clay or sand and remove to disposal container. Flush area with water and add to container for proper disposal.

7. Handling and Storage

Precautions To Be Taken in Handling

Avoid eye contact and avoid prolonged or repeated contact with skin. Wash with soap and water after use. Keep out of the reach of children.

Precautions To Be Taken in Storing

Store at ambient temperature in well-ventilated area away from heat sources and amine curing agents. Protect container from physical damage.

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.
2. Mercaptan-terminated polymer	NA	No data.	No data.	No data.

Respiratory Equipment (Specify Type)

No data available.

Eye Protection

If expected exposure, use NIOSH approved safety glasses or goggles with side shields.

Protective Gloves

Chemical resistant gloves such as PVA.

Other Protective Clothing

Chemical resistant clothing to minimize skin contact.

Engineering Controls (Ventilation etc.)

Local exhaust is recommended. Use mechanical exhaust as back-up system.

Work/Hygienic/Maintenance Practices

No data available.

9. Physical and Chemical Properties

Physical States:	<input type="checkbox"/> Gas	<input type="checkbox"/> Liquid	<input checked="" type="checkbox"/> Solid
Melting Point:	No data.		
Boiling Point:	No data.		



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Autoignition Pt:	No data.
Flash Pt:	> 500.00 F (260.0 C)
Specific Gravity (Water = 1):	1.68
Vapor Pressure (vs. Air or mm Hg):	No data.
Vapor Density (vs. Air = 1):	No data.
Evaporation Rate (vs Butyl Acetate=1):	No data.
Solubility in Water:	Negligible
Percent Volatile:	0.0 % by weight.

Appearance and Odor

Gray dough-like paste with mild amine odor.

10. Stability and Reactivity

Stability: Unstable [] Stable [X]

Conditions To Avoid - Instability

Avoid heat sources and avoid mixing resin and hardener in uncontrollable quantities.

Incompatibility - Materials To Avoid

Strong oxidizing agents, strong acids and bases, secondary aliphatic amines and mercaptans.

Hazardous Decomposition Or Byproducts

Carbon monoxide, carbon dioxide, aldehydes, acids and other organic substances may be formed during high temperature degradation.

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.
2. Mercaptan-terminated polymer	NA	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 Environmentally hazardous substance, liquid, n.o.s. (Bisphenol-a based epoxy resin)

UN Number: 3082



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Packing Group: III
IMDG Classification: 9
Marine Pollutant: Yes

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
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. Bisphenol-A based epoxy resin	25068-38-6	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. Bisphenol-A based epoxy resin	25068-38-6	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. Bisphenol-A based epoxy resin	25068-38-6	No	No	No	No
2. Mercaptan-terminated polymer	NA	No	No	No	No

Hazardous Components (Chemical Name)	CAS #	WI Air
1. Bisphenol-A based epoxy resin	25068-38-6	No
2. Mercaptan-terminated polymer	NA	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
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



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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

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.