

# CYCLO<sup>®</sup> INDUSTRIES, LLC

## MATERIAL SAFETY DATA SHEET

This MSDS is being provided to your company for the purpose of providing current health and safety information to your management and for your employees who work with this product. Please read the information on these sheets and then provide this information to those people at your company whose responsibility it is to comply with FEDERAL, STATE and COMMUNITY RIGHT TO KNOW regulations. Also, make this information available to any employee who requests it.

If Cyclo Industries, LLC considers the formula of this product to be a trade secret, the exact chemical names of the ingredient(s) and the percentages in which they are combined will not appear in the body of this sheet. The exact composition is available upon request to physicians, industrial hygienists and other health professionals.

### SECTION 1 – PRODUCT & COMPANY IDENTIFICATION

**Product Name:** Cyclo<sup>®</sup> UltraWeld<sup>®</sup> Clear Epoxy Bonding Compound (Part A - Hardener), Stock No. C-943

**Product Use:** Fills and bonds almost anything. For use on concrete, metal, wood, glass, china, plastic, tile and more.

**Manufactured by:** Cyclo Industries, LLC  
10190 Riverside Drive, Palm Beach Gardens, Florida 33410-4881  
Telephone: (561) 775-9600

**First Aid Emergency:** (800) 752-7869 or (312) 906-6194

**Shipping Emergency:** (800) 424-9300 or (703) 527-3887 (CHEMTREC)

### SECTION 2 – COMPOSITION/INFORMATION ON INGREDIENTS

CAS Reg. No.	Material	Percentage	Exposure Limits
*	Modified amine	*	None established
*	Alkyl phenol	*	None established
*	Alkyl polyamine	*	None established
*	Alkyl phenol	*	None established

\* The specific chemical identity and/or proportion of this component is being held as Trade Secret information in accordance with 29CFR 1910-1200.

### SECTION 3 – HAZARDS IDENTIFICATION

#### Effects of Overexposure:

**Ingestion:** Not expected to be a relevant route of exposure. However, corrosive and may cause severe and permanent damage to mouth, throat and stomach. May be moderately toxic if swallowed.

**Inhalation:** Vapors/mists may be corrosive to upper respiratory tract. Repeated exposure can result in lung damage. May be toxic if inhaled.

**SECTION 3 – HAZARDS IDENTIFICATION continued**

**Skin Contact:** Corrosive to the skin. May cause skin sensitization. May be toxic if absorbed through skin.

**Eye Contact:** Corrosive to the eyes and may cause severe damage including blindness. Vapors may be irritating.

**Signs and Symptoms:** Irritation as noted above. Lung damage (scarring, bronchitis, emphysema) may be evidenced by shortness of breath, especially on exertion and may be accompanied by chronic cough. Skin sensitization (allergy) may be evidenced by rashes, especially hives.

**Medical Conditions Generally Aggravated by Exposure:** Preexisting eye, skin and respiratory disorders.

**SECTION 4 – FIRST AID MEASURES**

**First Aid Procedures:**

**Ingestion:** DO NOT INDUCE VOMITING. Give one glass of water unless victim is drowsy, convulsing or unconscious. Seek medical attention immediately.

**Skin Contact:** Immediately remove contaminated clothing or shoes. Wipe excess from skin and flush with plenty of water for at least 15 minutes. Use soap if readily available or follow by thoroughly washing with soap and water. Do not reuse clothing until thoroughly decontaminated. Get medical attention.

**Inhalation:** Remove victim to fresh air and provide oxygen if breathing is difficult. Give artificial respiration if not breathing. Get medical attention.

**Eye Contact:** Immediately flush eyes with plenty of water for at least 15 minutes while holding eyelids open. Rinse continuously with water while on way to get medical attention.

**SECTION 5 – FIRE FIGHTING MEASURES**

**Flash Point:** >200°F (>93°C)

**Method Used:** Setaflash

**Flammable Limits in Air by Volume:**

Lower Explosion Level (LEL) = 0.8

Upper Explosion Level (UEL) = Not applicable

**Extinguishing Media:** Alcohol foam, CO<sub>2</sub>, dry chemical, water fog

**Special Fire Fighting Procedures:** Water or fog may cause frothing which can be violent, especially if sprayed into containers of hot or burning liquid. Material will not burn unless preheated. Do not enter confined fire space without full bunker gear (helmet with face shield, bunkercoats, gloves and rubber boots), including a positive pressure NIOSH approved self-contained breathing apparatus. Cool fire exposed containers with water.

**Unusual Fire and Explosion Hazards:** Delayed lung damage (Pulmonary Edema) can be experienced after exposure to combustion products, sometimes hours after the exposure. Nitrogen oxides and nitrogen containing organic compounds may be released upon combustion. See Section 7.

**HMIS Code:** Health = 3    Flammability = 1    Reactivity = 0

## SECTION 6 – ACCIDENTAL RELEASE MEASURES

**Spill/Leak Procedures:** Danger. Corrosive. Prevent all bodily contact with spilled material. Wear appropriate respirator and full-body protective clothing. Take up with an absorbent material and place in non-leaking containers. Seal tightly for proper disposal. Component 3 is resistant to biodegradation in biological wastewater treatment plants. It could be toxic to the biomass in a treatment plant and could be toxic to fish. Keep out of surface waters, sewers and waterways entering or leading to surface waters.

## SECTION 7 – HANDLING AND STORAGE

**Handling Procedures:** Keep away from heat, sparks, open flames and high temperatures. Heating this curing agent in the presence of air may cause thermal and oxidative decomposition. With some epoxy resins, it may produce exothermic reactions which in large masses can cause runaway polymerization and charring of the reactants. Fumes and vapors from these thermal and chemical decompositions vary widely in composition and toxicity. Do not breathe fumes, vapors or mists. Use a NIOSH-approved respirator as required to prevent over exposure. In accord with 29 CFR 1910.134, use either an atmosphere-supplying respirator or an air-purifying respirator for organic vapors. Danger. Corrosive. Causes burns to the eye, skin and respiratory tract. May be toxic if inhaled or absorbed through skin. May cause skin sensitization. Do not get in eyes, on skin or on clothing. Wash with soap and water before eating, drinking, smoking, applying cosmetics or using toilet facilities. Launder contaminated clothing before reuse. Contaminated leather articles including shoes cannot be decontaminated and should be destroyed to prevent reuse. See product label for additional information. KEEP OUT OF THE REACH OF CHILDREN.

**Storage Procedures:** Store and use in cool, dry, well-ventilated areas.

## SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

**Respiratory Protection:** Do not breathe vapors/mists. Use a NIOSH-approved respirator to prevent overexposure. In accord with 29 CFR 1910-134, use either a full-face, atmosphere-supplying respirator or an air-purifying respirator for organic vapors. Avoid breathing vapors which may be produced under some conditions such as heating for applications of uncured material in large surface areas (e.g., flooring and painting). Avoid breathing aerosols and mists which may be formed by various methods of application.

**Ventilation:** As required to control vapor concentration

**Protective Gloves:** Chemical resistant required for prolonged or repeated contact.

**Eye Protection:** Do not get in eyes. Wear chemical goggles if there is potential contact with eyes.

**Other Protective Equipment:** Chemical resistant apron or other clothing is recommended.

**Work/Hygienic Practices:** Eye washes and safety showers in the workplace are recommended.



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**SECTION 12 – ECOLOGICAL INFORMATION**

**Aquatic/Terrestrial Toxicity Environmental Fate** No data is available at this time.

**SECTION 13 – DISPOSAL CONSIDERATIONS**

**Waste Disposal Method:** Dispose of in accordance with local, state and federal regulations. Before attempting clean up, refer to other sections of this MSDS for hazard caution information.

**SECTION 14 – TRANSPORT INFORMATION**

**U.S. DOT**

<b>Shipping Description:</b>	Consumer Commodity ORM-D
<b>ID Number:</b>	Not required
<b>Hazard Class:</b>	Not required
<b>Packing Group:</b>	Not required
<b>Label:</b>	Not applicable
<b>Placards:</b>	Not applicable

**IMDG**

<b>Shipping Description:</b>	POLYAMINES, LIQUID, CORROSIVE, N.O.S., Ltd. Qty. (Contains Polyalkylamines)
<b>ID Number:</b>	UN2735
<b>Hazard Class:</b>	8
<b>Packing Group:</b>	III
<b>Label:</b>	Not required
<b>Markings:</b>	Not required
<b>Placards:</b>	Ltd. Qty.

**SECTION 15 – REGULATORY INFORMATION**

**TSCA Inventory:** All components of this product are listed on the Toxic Substance Control Act (TSCA) Inventory of chemical substances maintained by the U.S. Environmental Protection Agency.

**SARA Extremely Hazardous Substances** None

**SARA Section 313** This product contains the following toxic chemical subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372 (SARA 313 – Toxic Chemical Release Reporting)

<u>Chemical Name</u>	<u>CAS#</u>	<u>Weight %</u>
None		

**SECTION 15 – REGULATORY INFORMATION continued**

**CERCLA/Superfund (RQ):** This product is not subject to CERC LA reporting requirements. Many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations.

**California Proposition 65:** Modified Amine, Alkyl Phenol, Alkyl Polyamine

**SECTION 16 – OTHER INFORMATION**

**Document Date:** 4/25/03

**Supersedes:** New

**Revisions:** Not applicable

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