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MSDS Number: 108  
Revision Date: 01/14/2013  
Supersedes Date: 12/30/09

## MATERIAL SAFETY DATA SHEET

Complies with OSHA Hazard Communication Standard 29 CFR 1910.1200

**Product Name: GELWELD**

### SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product Type: Cyanoacrylate Adhesive  
Product Name: **GELWELD**  
Part Number(s): **19-117**

Emergency Contact: **Chemtrec**  
Phone: **(800) 424-9300**

Product Name: RP, SI, TS, FS, HT, M, & MG Series  
Product Type: Ethyl Cyanoacrylate

#### HMIS RATINGS

Health: 2  
Flammability: 2  
Physical Hazard: 1

### SECTION 2. COMPOSITION AND INFORMATION ON HARMFUL INGREDIENTS

Ingredients	CAS No.	OSHA PEL	ACGIH TLV	Other Limits	%Composition
Ethyl Cyanoacrylate	7085-85-0	N/A	0.2ppm TWA	0.3ppm STEL	86-100

### SECTION 3. HAZARDS IDENTIFICATION

**Label Precautionary Statements:** Irritant. Irritating to eyes, skin, and respiratory system.  
Cyanoacrylate. Danger. Bonds skin and eyes in seconds.

**Primary Routes of Entry:** None Known

**Symptoms of Exposure:** Vapor irritating to eyes and breathing. Prolonged exposure may lead to non-allergic asthma.

**Medical Conditions Aggravated by Exposure:** No applicable information found.

Ethyl Cyanoacrylate is not listed as a carcinogen in the US National Toxicology Program Annual report on carcinogens, or by the International Agency for Research on Cancer.

### SECTION 4. FIRST AID MEASURES

**Ingestion:** Ingestion not likely due to polymerization.

**Inhalation:** Remove to fresh air, if symptoms continue, seek medical advice.

**Skin Contact:** Soak in warm soapy water.

**Eye Contact:** Flush with water, seek medical attention.



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### SECTION 5. FIRE FIGHTING MEASURES

<b>Flash Point:</b>	<b>&gt;81°C</b>
<b>Extinguishing Media:</b>	<b>Water spray, foam, dry chemical or CO2.</b>
<b>Special Fire Fighting Procedures:</b>	<b>Wear self contained breathing apparatus.</b>
<b>Unusual Fire / Explosion Hazards:</b>	<b>No applicable information found.</b>
<b>Hazardous Thermal Decomposition Products:</b>	<b>Irritating organic vapors may be formed.</b>

### SECTION 6. ACCIDENTAL RELEASE MEASURES

**Ventilate area of spill, flood with water to polymerize, absorb with sand / earth and dispose to chemical waste bin. Dispose in accordance with pertinent national legislation.**

### SECTION 7. HANDLING AND STORAGE

**When using large volumes ensure that operational area is well ventilated.**  
**Store between 5-25°C; avoid strong light and heat sources.**  
**Incompatible with amine, bases, water.**  
**Avoid skin contact and inhalation of vapor.**

### SECTION 8. EXPOSURE CONTROL AND PERSONAL PROTECTION

<b>Eye Protection:</b>	<b>Safety goggles / glasses suitable for use with chemicals.</b>
<b>Respiratory Protection:</b>	<b>Always use appropriate filter mask / respirator.</b>
<b>Skin Protection:</b>	<b>Nitrile / polyethylene gloves, coveralls, avoid cotton products.</b>
<b>Ventilation:</b>	<b>Good general or local exhaust ventilation is required for usage.</b>

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Form:</b>	<b>Liquid</b>
<b>Color:</b>	<b>Water white / straw colored</b>
<b>Odor:</b>	<b>Sharp, irritating</b>
<b>Solubility in Water:</b>	<b>Immiscible in water</b>
<b>Boiling Point:</b>	<b>&gt;100°C</b>
<b>Specific Gravity @ 25°C:</b>	<b>1.1</b>
<b>Vapor Pressure @ 25°C:</b>	<b>&lt;0.5mm Hg</b>
<b>Flash Point:</b>	<b>&gt;81°C</b>
<b>V.O.C. Content:</b>	<b>&lt;20g/L estimated (California SCAQMD Method 316B)</b>



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### **SECTION 10. REACTIVITY AND STABILITY**

<b>Stability:</b>	<b>Stable Hazardous</b>
<b>Polymerization:</b>	<b>Will not occur</b>
<b>Incompatibility:</b>	<b>Water, bases, amines</b>
<b>Conditions to Avoid:</b>	<b>No applicable information found</b>
<b>Hazardous Decomposition Products:</b>	<b>No applicable information found</b>

### **SECTION 11. TOXICOLOGICAL INFORMATION**

**Estimated Oral LD50:** >5000 mg/kg  
**Estimated Dermal LD50:** >2000 mg/kg  
**Estimated Inhalation LC50:** >4000ppm/1H  
**Causes Severe Irritation. High concentrations are destructive to tissues of the mucous membranes and the upper respiratory tract.**

### **SECTION 12. ECOLOGICAL INFORMATION**

**No applicable information found**

### **SECTION 13. DISPOSAL CONSIDERATIONS**

**Cyanoacrylates must be disposed of in accordance with all national and local regulations.**

### **SECTION 14. TRANSPORTATION INFORMATION**

**Not considered hazardous for the purposes of transportation.**

### **SECTION 15. REGULATORY INFORMATION**

#### **TSCA**

**All ingredients of this product are listed, or are exempt from listing, on the TSCA inventory.**

#### **California Proposition 65**

**No California Proposition 65 listed chemicals are known to be present.**

#### **Canada DSL**

**All ingredients of this product are listed, or are exempt from listing, on the Canada DSL.**



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### **SECTION 16. OTHER INFORMATION**

GC Electronics believes that the information contained herein is accurate and reliable as of the date of this material safety data sheet, but no representation guarantee or warranty, express or implied, is made as to the accuracy, reliability or completeness of the information. Persons receiving information are encouraged to make their own determination as to the information's suitability and completeness for their particular application. NO INFORMATION CONTAINED HEREIN CONSTITUTES A PRODUCT WARRANTY OF ANY KIND, WHETHER EXPRESS OR IMPLIED; AND ALL IMPLIED WARRANTIES OF MERCHANT ABILITY AND OF FITNESS FOR A PARTICULAR PURPOSE ARE HEREBY DISCLAIMED BY GC ELECTRONICS.