



# MATERIAL SAFETY DATA SHEET

## CA GEL

### 1. Product Identification

Product Name : Ultrabond Super Glue Adhesive  
Item No : CA GEL  
Product : Ethyl Cyanoacrylate Adhesive

### 2. Composition

<u>INGREDIENTS</u>		<u>CAS No.</u>	<u>%</u>
Ethyl Cyanoacrylate	:	7085-85-0	80.3-81.2
Poly Methyl Methacrylate (PMMA)	:	9011-14-7	13.6-14.1
Proprietary Additive	:	Proprietary	4.6-5.1
Hydroquinone	:	123-31-9	0.1-1.0

### 3. Chemical and Physical Properties

Solubility in Water : Polymerized In Water  
Specific Gravity : 1.05 At 75°F  
Boiling Point : More Than 300°F (54-56°C 2.6-3mmHG)  
Volatile Organic Compound : 94.7%; 994.35 G/L  
(EPA Method 24)  
Evaporation Rate (Ehter = 1) : Not Available  
Appearance : Clear Gel  
Odor : Sharp, Irritating  
Vapor Pressure : Less Than 0.2MM At 75°F  
Vapor Density : 3

Ingredients which have exposure limited:

Exposure Limits (TWA)	ACGIH (TLV)	OSHA (TLV)	Other
Ingredients			
Ethyl Cyanoacrylate	None	None	2 PPM TWA 9.1 MG/M3
Hydroquinone	2 MG/M3 TWA	2 MG/M3 TWA	2 MG/M3 TWA

### 4. Flammability and Explosive Properties

Flash Point : 160-200°F Method : Tag Closed Cup

Estimated NFPA Code

Health Hazard : 2  
Fire Hazard : 2  
Reactivity Hazard : 2  
Specific Hazard : No Water

Estimated HMIS Code

Health Hazard : 2  
Flammability Hazard : 2  
Reactivity Hazard : 2  
Personal Protection : See Section 10.

Explosive Limits :

(% by Volume in Air) Lower : Not Available  
(% by Volume in Air) Upper : Not Available



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## Recommended

Extinguishing Agents : Carbon Dioxide, Foam,  
 Dry Chemical  
 Hazardous Products Formed : Irritating Organic  
 By Fire or Thermal Decomp. : Fragments  
 Unusual Fire or Explosion : None  
 Hazards :  
 Compressed Gases : None  
 Pressure At Room Temp. : Does Not Apply

## 5. Spill Or Leak And Disposal Procedures

Steps to be taken in case of spill or leak: Flood with water to Polymerize. Soak up with an inert absorbent.

Recommended method of disposal: Polymerize as above. Incinerate following EPA and local regulations.

## 6. Storage And Handling Procedures

Storage : Store at or below 75°F to maximize shelf life.

Handling : Avoid contact with skin and eyes. Avoid breathing vapors.

## 7. Shipping Regulations

Air : Unrestricted (not more than one pint);  
 ORMA (one pint to 110 gallons);  
 Combustible liquid (more than 110 gallons)  
 Identification Number : None  
 IATA  
 Proper Shipping Name : Unrestricted (not more than one pint);  
 Other regulated substance (more than one pint)  
 Class or Division : Unrestricted (not more than one pint);  
 Class 9 (more than one pint)  
 UN or ID Number : None (not more than one pint)  
 ID 8027 (more than one pint)  
 IMO  
 Substance : Not Available  
 Marine Pollutant Status : Not Available  
 Class : Not Available  
 Subsidiary Risk Label : Not Available  
 IMDG Code Page : Not Available  
 UN Number : Not Available

## 8. Reactivity Data

Stability : Stable  
 Hazardous Polymerization : Will Not Occur.  
 Hazardous Decomposition  
 Products (Non - Thermal) : None  
 Incompatibility : Polymerized by Contact with Water, Alcohols,  
 Amines, Alkalies.

\*\* All the information is provided on the basis in good faith, and is believed to be trustworthy but is for reference only. Adhesion is very complicated and the result of it is much dependent on the surface material, additives, releasing agents of the substrates and user's methods. UEA and its agents, dealers, distributors, directors and employees cannot accept any liability for the results whatsoever arising from the use of UEA's products due that the utilization of these products is simply out of UEA's control. The users are responsible for selecting the suitability of the products and methods of use.



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### 9. Emergency Treatment Procedures

- Ingestion : See Supplement.  
Inhalation : Remove to fresh air. Treat Symptomatically.  
Skin Contact : Soak in Warm water.  
Eye Contact : Flush with water for at least 15 minutes. Seek Medical attention immediately.

### 10. Personal Protection

- Eyes : Safely glasses or goggles  
Skin : Polyethylene gloves recommended. Do not use cotton gloves.  
Ventilation : Positive down-draft exhaust ventilation should be provided to maintain vapor concentration below TLV.

### 11. Health Data

- Toxicity : Bonds to skin rapidly and strongly. Skin and eye irritant. Estimated oral LD50 more than 5000 MG / KG. Estimated Dermal LD50 more than 2000 MG / KG.  
Primary Routes Of Entry : Not Available  
Signs And Symptoms Of Exposure : Vapor is irritating to eye and mucous membranes above TLV. Prolonged and repeated overexposure to vapors may produce allergic reactions with Asthma-like symptoms in sensitive individuals.