



## Material Safety Data Sheet

Product No. 14462 Pelco® Pro F5 Cyanoacrylate Glue

Issue Date (10-02-03)

Review Date (049-12-12)

### Section 1: Product and Company Identification

**Product Name:** Pelco® Pro F5 Cyanoacrylate Glue

Synonym: Super Glue, Instant Adhesive

**Company Name**

Ted Pella, Inc., P.O. Box 492477, Redding, CA 96049-2477

**Domestic Phone (800) 237-3526 (Mon-Thu. 6:00AM to 4:30PM PST; Fri 6:00AM to 4:00PM PST)**

**International Phone (01) (530) 243-2200 (Mon-Thu. 6:00AM to 4:30PM PST; Fri 6:00AM to 4:00PM PST)**

**Chemtrec Emergency Number 1-800-424-9300 24 hrs a day.**

### Section 2: Composition / Information on Ingredients

Principle Hazardous Component(s) (chemical and common name(s)) (Cas. No)	%	OSHA PEL mg/m3	ACGIH TLV mg/m3	NTP	IARC	OSHA regulated
Ethyl Cyanoacrylate (7085-85-0)	90-99	ND	ND	No	No	No
Poly Methyl Methacrylate (9011-14-7)	1-10	ND	ND	No	No	No
Hydroquinone (123-31-9)	0.1- 0.5	2 TWA	ND	No	No	No

### Section 3: Hazard Identification

#### Emergency overview

Appearance: Colorless liquid.

Immediate effects: Bonds skin rapidly and strongly.

#### Potential health effects

Primary Routes of entry: ND

Signs and Symptoms of Overexposure: Vapor is irritating to eyes and mucous membranes above TLV. Prolonged and repeated overexposure to vapors may produce allergic reactions with asthma like symptoms in sensitive individuals.

Eyes: Eye irritant. Vapor is irritating to eyes.

Skin: skin irritant.

Ingestion: It is almost impossible to swallow Cyanoacrylate. The adhesive solidifies and adheres in the mouth.

Inhalation: Vapor is irritating mucous membranes above TLV.

Chronic Exposure: ND

Chemical Listed As Carcinogen Or Potential Carcinogen: None

See Toxicological Information (Section 11)

**Potential environmental effects**

See Ecological Information (Section 12)

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**Section 4: First Aid Measures**

**If accidental overexposure is suspected**

Eye(s) Contact: Eyelid to eyelid or eyeball adhesion: In the event that eyelids are stuck together or bonded to the eyeball, wash thoroughly with warm water and apply a gauze patch. The eye will open without further action, typically in one to four days. There will be no residual damage. DO NOT try to open eyes by manipulation. Let the natural cleansing action of the eye take place. Adhesive on the eyeball: Cyanoacrylate introduced into the eyes will attach itself to the eye protein and will disassociate from it over intermittent periods, generally covering several hours. This will cause periods of tearing until clearance is achieved. The adhesive residue will flush out of the eye normally in a matter of hours, even with gross contamination.

Skin Contact: Skin Adhesion: First immerse the bonded surface in warm soapy water. Peel or roll the surface apart with the aid of a blunt edge. (pencil, spoon handle, etc.), then remove the adhesive from the skin with soap and water. DO NOT try to pull surfaces apart with a direct opposing action. Burns: Cyanoacrylate gives off heat on solidification. In rare cases a large amount will increase the temperature enough to cause a burn. Should a burn occur, it should be treated using normal medical procedures.

Inhalation: Remove to fresh air. Treat symptomatically.

Ingestion: Mouth: If lips are accidentally stuck together, apply lots of warm water to the lips and encourage maximum wetting and pressure from saliva inside the mouth. Peel or roll lips apart. Do not try to pull the lips apart with a direct opposing action. It is almost impossible to swallow Cyanoacrylate. The adhesive solidifies and adheres in the mouth. Saliva will lift the adhesive in ½ to 2 days.

**Note to physician**

Treatment: ND

Medical Conditions generally Aggravated by Exposure: ND

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**Section 5: Fire Fighting Measures**

Flash Point: 185° - 200°F

Flammable Limits: Lower ND. Upper ND.

Auto-ignition point: NIF

Fire Extinguishing Media: Carbon Dioxide, foam, dry chemical.

Special Fire Fighting Procedures: Wear self contained breathing apparatus and protective clothing to prevent contact with skin, eyes, or inhalation of vapors.

Unusual Fire and Explosion Hazards: Do not use cloth to wipe up spills. Use water on spills to polymerize and then scrape up residue. Over exposure to decomposition of products may be a health hazard.

Hazardous combustion products: Irritating organic vapors

DOT Class: Unrestricted, combustible liquid.

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### **Section 6: Accidental Release Measures**

Steps to be Taken in Case Material is Released or Spilled: Flood area with water to polymerize (cure). Soak up with an inert absorbent.

Waste Disposal Methods: Dispose of waste according to Federal, State and Local Regulations. Recommended methods of disposal: Polymerize as above. Incinerate, or solid adhesive can be land filled in accordance with all applicable federal, state and local environmental regulations.

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### **Section 7: Handling and Storage**

Precautions to be Taken in Handling and Storage: Store out of direct sunlight at or below 72°F to preserve shelf life. Handling: Avoid contact with eyes and skin. Avoid breathing vapor.

Storage temperature: At or below 72°F

Storage Pressure: NA

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### **Section 8: Exposure Controls / Personal Protection**

#### **Engineering Controls**

Ventilation required: Local exhaust, cross air movement. Vent downwards, as vapors are heavier than air.

#### **Personal Protection Equipment**

Respiratory protection: Local exhaust, cross air movement.

Protective gloves: Polyethylene.

Skin protection: Protective clothing.

Eye protection: Safety glasses.

Additional clothing and/or equipment: Eye bath and washing Station nearby.

#### **Exposure Guidelines**

See Composition/Information on Ingredients (Section2)

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### **Section 9 Physical and Chemical Properties**

Appearance and Physical State: Colorless liquid.

Odor (threshold): Slightly Pungent.

Specific Gravity (H<sub>2</sub>O=1): 1.05

Vapor Pressure (mm Hg): ND

Vapor Density (air=1): Greater than one.

Percent Volatile by volume: ND

Evaporation Rate (butyl acetate=1): ND

Boiling Point: Greater than 150°F

Freezing point / melting point: ND

pH: NA

Solubility in Water: Polymerized by water.

Molecular Weight: NA

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## **Section 10: Stability and Reactivity**

Stability: Stable

Conditions to Avoid: Sunlight, moisture, heat.

Materials to Avoid (Incompatibility): Polymerized by contact with water, alcohols, amines, and alkaline.

Hazardous Decomposition Products: None, non-thermal,

Hazardous Polymerization: Will not occur.

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## **Section 11: Toxicological Information**

Results of component toxicity test performed: Estimated oral LD50 greater than 5,000 mg/kg. Estimated dermal LD50 greater than 2,000 mg/kg.

Human experience: ND

This product **does not** contain any compounds listed by NTP or IARC or regulated by OSHA as a carcinogen.

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## **Section 12: Ecological Information**

Ecological Information: ND

Chemical Fate Information: ND

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## **Section 13 Disposal Considerations**

RCRA 40 CFR 261 Classification: ND

Federal, State and local laws governing disposal of materials can differ. Ensure proper disposal compliance with proper authorities before disposal.

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## **Section 14: Transportation Information**

US DOT Information: Proper shipping name: Unrestricted, combustible liquid.

IATA: Proper shipping name: Unrestricted, combustible liquid.

IMO: Proper shipping name: Unrestricted, combustible liquid.

Marine Pollutant: NO

Canadian TDG: Unrestricted, combustible liquid

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## **Section 15: Regulatory Information**

### **United States Federal Regulations**

MSDS complies with OSHA's Hazard Communication Rule 29, CFR 1910.1200.

SARA: None

SARA Title III: None

RCRA: None

TSCA: All components listed

CERCLA: None

### **State Regulations**

California Proposition 65: None

### **International Regulations**

Canada WHMIS: ND

Europe EINECS Numbers: ND

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**Section 16: Other Information**

Label Information: Irritant.

European Risk and Safety Phrases: ND

European symbols needed: ND

Canadian WHMIS Symbols: ND

HMIS Hazard Rating: Health: **2**; Flammability: **2**; Reactivity: **2**

NFPA Hazard Rating: Health: **2**; Fire **2**; Reactivity: **2**

(0=least, 1=Slight, 2=Moderate, 3=High, 4=Extreme)

**Abbreviations used in this document**

NE= Not established

NA= Not applicable

NIF= No Information Found

ND= No Data

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**Disclaimer**

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