

Safety Data Sheet

Product No. 14462 Pelco® Pro F5 Cyanoacrylate

Glue

Issue Date (05-01-15)

Review Date (3-18-16)

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: Hazard Identification

2.1 Classification of the substance or mixture

GHS Pictograms



GHS07

GHS Categories

GHS07 – Irritant

Eye Irrit. 2

STOT SE 3

Skin Irrit. 2

H319: Causes serious eye irritation

H335: May cause respiratory irritation

H315: Causes skin irritation

2.2 Label elements

Hazard Pictograms



GHS07

Signal Word: Warning

Hazard statements

H319 Causes serious eye irritation.
H335 May cause respiratory irritation.
H315 Causes skin irritation.

Precautionary statements

P233 Keep container tightly closed.
P280 Wear protective gloves/protective clothing/eye protection/ face protection.
P304+340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P332+313 If skin irritation occurs: Get medical advice/attention.
P403 Store in a well-ventilated place.
P501 Dispose of contents/container as hazardous or special waste.

2.3 Other hazards

Health Effects:

NFPA Hazard Rating: Health: 2; Fire: 2; Reactivity: 2
HMIS® Hazard Rating: Health: 2; Fire: 2; Reactivity: 2
(0=least, 1=Slight, 2=Moderate, 3=High, 4=Extreme)

Results of PBT and vPvB assessment: The PBT and vPvB criteria do not apply to ethyl-2-cyanoacrylate.

PBT: NA

vPvB: NA

Classification of the product according to DSD (67/548/EC)

Xi IRRITANT R 36/37/38 Irritating to eyes, respiratory system and skin

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)

Section 3: Composition / Information on Ingredients

Principle Hazardous Component(s) (chemical and common name(s)) (Cas. No)	%	OSHA PEL mg/m ³	ACGIH TLV mg/m ³	NTP Carcinogen	IARC Carcinogen	OSHA regulated Carcinogen
Ethyl-2-Cyanoacrylate (7085-85-0) EC-No. 230-391-5 Index No. 607-236-00-9 H319; H335; H315	80- 99%	ND	ND	No	No	No

Section 4: First Aid Measures

If accidental overexposure is suspected

- General:** Contact a POISON CENTER or doctor/physician if you feel unwell.
- Eye(s) Contact:** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If the eye is bonded closed, release eyelashes with warm water by covering with wet pad. Cyanoacrylate will bond to eye protein and will cause periods of weeping which will help to de-bond the adhesive. Keep eye covered until de-bonding is complete, usually within 1-3 days. Medical advice should be sought in case solid particles of cyanoacrylate trapped behind the eyelid cause an abrasive damage.
- Skin Contact:** IF ON SKIN: Wash with plenty of soap and water. Do not pull bonded skin apart. It may be gently peeled apart using a blunt object such as a spoon, preferably after soaking in warm soapy water. Cyanoacrylates give off heat on solidification. In rare cases a large drop will generate enough heat to cause a burn. Burns should be treated normally after the adhesive has been removed from the skin.
If lips are accidentally stuck together apply 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 direct opposing action. If skin irritation occurs: Get medical advice/attention.
- Inhalation:** IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If still feeling unwell, seek medical attention.
- Ingestion:** Ensure that breathing passages are not obstructed. The product will polymerize immediately in the mouth making it almost impossible to swallow. Saliva will slowly separate the solidified product from the mouth (several hours).

Note to physician

Treatment: ND

Medical Conditions generally Aggravated by Exposure: ND

Section 5: Fire Fighting Measures

Flash Point: 82.5°C

Flammable Limits: ND

Auto-ignition point: 480°C

Fire Extinguishing Media: Dry powder, foam, carbon dioxide, fine water spray.

Unsuitable agents: Water jet.

Special Fire Fighting Procedures: Fire fighters should wear positive pressure self-contained breathing apparatus (SCBA) and suitable protective clothing.

Unusual Fire and Explosion Hazards:

Hazardous combustion products: Trace amounts of toxic fumes may be released on incineration. Hazardous combustion products: oxides of carbon, oxides of nitrogen, irritating organic vapors.

DOT Class: Unrestricted, combustible liquid.

Section 6: Accidental Release Measures

Steps to be Taken in Case Material is Released or Spilled:

Personal precautions, protective measures, and emergency procedures

Ensure adequate ventilation. Wear protective gloves/protective clothing/eye protection/face protection. Avoid skin and eye contact. Avoid breathing dust/fumes/gas/mist/vapors/spray.

Environmental precautions

Do not let product enter drains.

Methods and materials for containment and clean-up

Flood area with water to polymerize (cure) and scrape off the floor. Soak up with an inert absorbent. Incinerate, or solid adhesive can be land filled in accordance with all applicable federal, state and local environmental regulations.

Dispose of waste according to federal, state and local regulations.

Section 7: Handling and Storage

Precautions to be taken in Handling and Storage:

Handling: Avoid breathing dust/fumes/gas/mist/vapors/spray. Use only outdoors or in a well-ventilated area. Ventilation (low level) is recommended when using large volumes. Use of dispensing equipment is recommended to minimize the risk of skin or eye contact. Wash hands thoroughly after handling.

Storage: For optimum shelf life store in original containers under refrigerated conditions and out of direct sunlight. Store locked up.

Storage temperature: 2-8°C

Storage Pressure: NA

Section 8: Exposure Controls / Personal Protection

Engineering Controls

Ventilation required: Provide adequate ventilation in area of use. Do NOT use this product in an enclosed or poorly ventilated area. Local exhaust ventilation with cross air movement is normally required when handling or using this product to keep airborne powder below the nationally authorized limits. Vent downwards, as vapors are heavier than air. If ventilation alone cannot control exposure, respiratory protection must be used.

Control Parameters

Exposure limit values

Country	Type	Value
UK	STEL	0.3 ppm; 1.5 mg/m ³ (15 min)
Ireland	OEL/TWA	0.2 ppm
Germany	MAK	None established
France	VME/VLE	None established

Derived DNEL(s) / DMEL(s)

Type	Details	Value	Basis
Worker – inhalation route	Systemic effect – long term exposure	9.25 mg/m ³	Irritation (respiratory tract)
Worker – inhalation route	Local effect – long term exposure	9.25 mg/m ³	Irritation (respiratory tract)
General population – inhalation route	Systemic effect – long term exposure	9.25 mg/m ³	Irritation (respiratory tract)
General population – inhalation route	Local effect – long term exposure	9.25 mg/m ³	Irritation (respiratory tract)

Personal Protection Equipment

Respiratory protection: Local exhaust, cross air movement.

Protective gloves: Polyvinyl chloride or nitrile rubber gloves or equivalent solvent-resistant gloves recommended where there is potential for prolonged or repeated skin contact.

Skin protection: Protective clothing.

Eye protection: Safety goggles.

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

Hygiene: Take off contaminated clothing and wash before reuse. Wash hands thoroughly after handling.

Exposure Guidelines

See Composition/Information on Ingredients (Section 3)

Section 9 Physical and Chemical Properties

Appearance and Physical State: Transparent, colorless liquid.

Odor (threshold): Pungent (ND)

Specific Gravity (H₂O=1): 1.043

Vapor Pressure (mm Hg): ≤ 21 Pa

Vapor Density (air=1): ND

Percent Volatile by volume: ND

Evaporation Rate (butyl acetate=1): ND
Boiling Point: 214°C
Melting point: -31°C
pH: NA
Solubility in Water: ≤ 0.024 mg/L (polymerizes in water)
Molecular Weight: NA

Section 10: Stability and Reactivity

Stability: Stable under normal conditions of use.
Conditions to Avoid: Moisture, humidity, basic material.
Materials to Avoid (Incompatibility): Water, soil, amines, alkalis, alcohols.
Hazardous Decomposition Products: Oxides of carbon, oxides of nitrogen.
Possibility of hazardous reactions: Polymerization will occur in the presence of moisture and other basic materials.

Section 11: Toxicological Information

Results of component toxicity test performed:

Acute toxicity:	Oral: LD50 (Rat) >5000 mg/kg (OECD 401) Dermal: LD50 (Rabbit) 2000 mg/kg (OECD 402)
Skin corrosion/irritation:	Causes skin irritation
Eye damage/irritation:	Irritating to eyes. In a dry atmosphere (RH<50%) vapors may cause irritation and lachrymatory effect.
Respiratory/skin sensitization:	Due to polymerization at the skin surface, allergic reaction is not considered possible. The polymerized material is not able to penetrate into the epidermis.
Germ cell mutagenicity:	None.
Carcinogenicity:	None.
Reproductive toxicity:	None.
STOT-single exposure:	May cause irritation for skin, eyes and respiratory system.
STOT-repeated exposure:	Not toxic by repeated absorption.

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

Section 12: Ecological Information

Ecological Information: Low ecotoxicity.
Persistence and biodegradability: NA
Bioaccumulative potential: NA
Motility in soil: NA
Chemical Fate Information: ND

Section 13 Disposal Considerations

RCRA 40 CFR 261 Classification: ND

Product disposal:

Cured adhesive: Dispose of as water insoluble non-toxic solid chemical in authorized landfill or incinerate under controlled conditions.

Dispose of in accordance with local and national regulations. Polymerize by adding slowly to water (10:1).

Contribution of this product to waste is very insignificant in comparison to article in which it is used.

Disposal of uncleaned packages:

After use, tubes, cartons and bottles containing residual product should be disposed of as chemically contaminated waste in an authorized legal land fill site or incinerated.

Disposal must be made according to official regulations.

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

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

Section 15: Regulatory Information

United States Federal Regulations

SDS 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

Section 16: Other Information

Label Information: Irritant.

European Risk and Safety Phrases: ND

European symbols needed: ND

Canadian WHMIS Symbols: ND

Abbreviations used in this document

NE= Not established

NA= Not applicable

NIF= No Information Found

ND= No Data

Disclaimer

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