



## Safety Data Sheet

**Product No. 27300 PELCO® Cryo-Embedding Compound**

**Issue Date (09-17-12)**

**Review Date (11-21-14)**

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### Section 1: Product and Company Identification

**Product Name: PELCO® Cryo-Embedding Compound**

Synonym:

**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.**

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### Section 2: Hazard Identification

**Emergency overview**

**DANGER: Not determined.**

**Health Effects: Not determined.**

HMIS® Hazard Rating: Health: **0**; Flammability: **0**; Reactivity: **0**; Protection: **ND**  
(0=least, 1=Slight, 2=Moderate, 3=High, 4=Extreme)

Appearance: Viscous, clear to pale yellow liquid.

Immediate effects: ND

### Potential health effects

Primary Routes of entry: Ingestion, Inhalation of mist. Skin or eye contact.

Signs and Symptoms of Overexposure: None currently known.

Eyes: May cause mild irritation.

Skin: Prolonged contact may cause mild discomfort.

Ingestion: Swallowing may cause gastrointestinal irritation.

Inhalation: Inhalation of mists may cause minor respiratory irritation.

Chronic Exposure: No chronic effects of overexposure are currently known.

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 3: Composition / Information on Ingredients**

Principle Component(s) (chemical and common name(s)) (Cas. No)	%	OSHA PEL mg/m3	ACGIH TLV mg/m3	NTP	IARC	OSHA regulated
Polyvinyl Alcohol (9002-89-5)	10.24	ND	ND	No	No	No
Polyethylene glycol (NA)	4.26	ND	ND	No	No	No
Non-reactive ingredient (ND)	85.50	ND	ND	No	No	No

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**Section 4: First Aid Measures****If accidental overexposure is suspected**

Eye(s) Contact: Flush eyes immediately with water for at least 15 minutes with eyes open and eyelids raised. Transport to hospital for further medical attention.

Skin Contact: Contaminated clothing should be removed immediately. The affected body areas should be flushed with a solution of soap and water for a period of approximately 15 minutes. Seek medical attention if irritation develops.

Inhalation: The patient should be transported away from exposure and brought to fresh air. If not breathing, administer artificial respiration. If breathing is difficult, give oxygen. Transport to the hospital for care.

Ingestion: If the patient is conscious, wash out mouth with water and have the patient drink a glass of water or milk to dilute the material. Transport to the hospital for care.

**Note to physician**

Treatment: ND

Medical Conditions generally Aggravated by Exposure: None currently known.

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**Section 5: Fire Fighting Measures**

Flash Point: Greater than 450° F

Flammable Limits: ND

Auto-ignition point: ND

Fire Extinguishing Media: Water fog, regular foam, dry chemicals, or carbon dioxide

Special Fire Fighting Procedures: Wear self-contained breathing apparatus with full body protection.

Unusual Fire and Explosion Hazards: ND

Hazardous combustion products: Oxides of carbon. Asphyxiants.

DOT Class: Not Regulated.

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**Section 6: Accidental Release Measures**

Steps to be Taken in Case Material is Released or Spilled: Contain spill. Absorb using suitable media.

Waste Disposal Methods: Dispose of waste according to Federal, State and Local Regulations.

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

Precautions to be taken in Handling and Storage: Avoid contact with eyes, skin, and clothing. Avoid breathing mists. Storage: Store in a cool, well-ventilated area. All electrical equipment in storage and/or handling areas should be installed in accordance with applicable requirements of the National Electrical Code (NEC).

Storage temperature: Room Temperature.

Storage Pressure: NA

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

#### **Engineering Controls**

Ventilation required: Not normally required. General mechanical or local exhaust should be used to maintain low exposure levels.

#### **Personal Protection Equipment**

Respiratory protection: Not normally required. General mechanical or local exhaust should be used to maintain low exposure levels. Avoid prolonged periods of directly breathing vapors. In absence of proper environmental controls, the use of a NIOSH/OSHA respirator is recommended. Respirator use should comply with OSHA 29 CFR 1910.134.

Protective gloves: Use appropriate resistant gloves.

Skin protection: Use appropriate laboratory work clothing.

Eye protection: Use appropriate chemical splash goggles.

Additional clothing and/or equipment: ND

#### **Exposure Guidelines**

See Composition/Information on Ingredients (Section 3)

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

Appearance and Physical State: Viscous, clear to pale yellow liquid.

Odor (threshold): Slight alcohol odor.

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

Vapor Pressure (mm Hg): ND

Vapor Density (air=1): ND

Percent Volatile by volume: ND

Evaporation Rate (butyl acetate=1): ND

Boiling Point: ND

Freezing point / melting point: ND

pH: ND

Solubility in Water: ND

Molecular Weight: NA

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

Stability: Stable.

Conditions to Avoid: ND

Materials to Avoid (Incompatibility): Avoid contact with strong oxidizing agents.

Hazardous Decomposition Products: ND

Hazardous Polymerization: Will not occur.

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### **Section 11: Toxicological Information**

Results of component toxicity test performed: ND

Reproductive Cell Mutagenicity: ND

Carcinogenicity: Components are not listed as a carcinogen or suspected carcinogens.

Reproductive Toxicity: ND

Specific Target Organ Toxicity – single exposure: ND

Specific Target Organ Toxicity – repeated exposure: ND

Human experience: Prolonged contact may cause mild discomfort.

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: Ecological effects of this mixture have not been determined.

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: Not Regulated.

IATA: Proper shipping name: Not Regulated.

Marine Pollutant: No.

Canadian TDG: Not Regulated

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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: Not listed

SARA Title III: Not listed

RCRA: Not listed

TSCA: ND

CERCLA: Not listed

#### **State Regulations**

California Proposition 65: None listed.

#### **International Regulations**

Canada WHMIS: ND

Europe EINECS Numbers: ND

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### **Section 16: Other Information**

Label Information: ND

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

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**Disclaimer**

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