

Safety Data Sheet

Product No. 27300 PELCO® Cryo-Embedding Compound

Issue Date (01-6-15)

Review Date (08-31-17)

Section 1: Product and Company Identification

Product Name: PELCO® Cryo-Embedding Compound

Synonym: None

Company Name

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

Inside USA and Canada 1-800-237-3526 (Mon-Thu. 6:00AM to 4:30PM PST; Fri 6:00AM to 4:00PM PST)

Outside USA and Canada 1-530-243-2200 (Mon-Thu. 6:00AM to 4:30PM PST; Fri 6:00AM to 4:00PM PST)

CHEMTREC USA and Canada Emergency Contact Number 1-800-424-9300 24 hours a day

CHEMTREC Outside USA and Canada Emergency Contact Number +1-703-741-5970 24 hours a day

Section 2: Hazard Identification

2.1 Classification of the substance or mixture: This product is not subject to GHS classification as a hazardous substance.

2.2 Label elements

Hazard pictograms: NA

Signal word: NA

Hazard statements: NA

Precautionary statements: NA

2.3 Other hazards

Health Effects:

NFPA Hazard Rating: Health: **1**; Flammability: **0**; Reactivity: **0**

HMIS® Hazard Rating: Health: **0**; Flammability: **0**; Reactivity: **0**

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

Emergency overview

Appearance: Viscous, clear to pale yellow liquid.

Immediate effects: ND

Potential health effects

Primary Routes of entry: Ingestion, skin, eye, inhalation.

Signs and Symptoms of Overexposure: None known.

Eyes: May cause mild irritation.

Skin: Prolonged contact may cause mild discomfort.

Ingestion: May cause gastrointestinal irritation.

Inhalation: Inhalation of mists may cause minor respiratory irritation.

Chronic Exposure: None known.

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 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) | 8-12 | ND | ND | No | No | No |
| Polyethylene glycol (25322-68-3) | 1-5 | ND | ND | No | No | No |
| Non-reactive ingredient (ND) | 75-85 | ND | ND | No | No | No |

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. Remove contact lenses, if present and easy to do so. If irritation persists, get medical advice/attention.

Skin Contact: Contaminated clothing should be removed immediately. The affected body areas should be washed with soap and water for 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. Call a POISON CENTER or doctor/physician if you feel unwell.

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 known.

Section 5: Fire Fighting Measures

Flash Point: > 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.

Section 6: Accidental Release Measures

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

Waste Disposal Methods: 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 contact with eyes, skin, and clothing. Wash skin after handling. 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). Keep containers closed and label with storage temperature and expiration date.

Storage temperature: Ambient

Storage Pressure: NA

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: Chemical-resistant gloves.

Skin protection: Appropriate laboratory/protective work clothing.

Eye protection: Chemical splash goggles.

Additional clothing and/or equipment: ND

Exposure Guidelines

See Composition/Information on Ingredients (Section 3)

Section 9 Physical and Chemical Properties

Appearance and Physical State: Viscous, clear liquid.

Odor (threshold): Slight alcohol odor (ND)

Specific Gravity (H₂O=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: Soluble

Molecular Weight: NA

Section 10: Stability and Reactivity

Stability: Stable

Conditions to Avoid: ND

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

Hazardous Decomposition Products: Hazardous decomposition will not occur.

Hazardous Polymerization: Will not occur.

Section 11: Toxicological Information

Results of component toxicity test performed: 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.

Section 12: Ecological Information

Ecological Information: ND

Chemical Fate Information: ND

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.

Section 14: Transportation Information

US DOT Information: Not regulated

IATA: Not regulated

Marine Pollutant: No

Canadian TDG: Not regulated

Section 15: Regulatory Information

United States Federal Regulations

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

SARA: Not listed

SARA Title III: Not listed

RCRA: Not listed

TSCA: Polyvinyl alcohol (9002-89-5), polyethylene glycol (25322-68-3) listed.

CERCLA: Not listed

State Regulations

California Proposition 65: None listed.

International Regulations

Canada WHMIS: ND

Europe EINECS Numbers: ND

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

Disclaimer

Ted Pella, Inc. makes no warranty of any kind regarding the information furnished herein. Users should independently determine the suitability and completeness of information from all sources. While this data is presented in good faith and believed to be accurate, it should be considered only as a supplement to other information gathered by the user. It is the User's responsibility to assure the proper use and disposal of these materials as well as the safety and health of all personnel who may work with or otherwise come in contact with these materials.