Material Safety Data Sheet

Product No. 27055 PELCO® CryO-Z-T™
Issue Date (02-27-08)
Review Date (06-01-12)

Section 1: Product and Company Identification
Product Name: PELCO CryO-Z-T™
Synonym: Cryo Embedding Matrix, OCT Embedding Matrix
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

<table>
<thead>
<tr>
<th>Principle Hazardous Component(s) (chemical and common name(s)) (Cas. No)</th>
<th>%</th>
<th>OSHA PEL mg/m3</th>
<th>ACGIH TLV mg/m3</th>
<th>NTP</th>
<th>IARC</th>
<th>OSHA regulated</th>
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<tbody>
<tr>
<td>This product does not contain any ingredients classified as hazardous at concentrations greater than 1% or carcinogens greater than 0.1%</td>
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Not classified as hazardous under CHIP Regulations 1994 (As amended 96, 97, 98, 99, 99(2), 2000)

Section 3: Hazard Identification

Emergency overview
Appearance: Viscous colorless liquid.
Immediate effects: ND

Potential health effects
Primary Routes of entry: Not classified as hazardous.
Signs and Symptoms of Overexposure: ND
Eyes: ND
Skin: ND
Ingestion: ND
Inhalation: ND
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: Irrigate with water for at least 15 minutes. Take care not to wash chemical from one eye to another. If irritation persists call a doctor.

Skin Contact: Remove contaminated clothing. Wash with soap/cleanser and rinse with plenty of water. If irritation persists, obtain medical attention.

Inhalation: Remove to fresh air and rest. If recovery is not rapid call for prompt medical attention.

Ingestion: Do not induce vomiting. Give plenty of water to drink. Beware of aspiration if vomiting occurs. Seek medical attention immediately.

**Note to physician**

Treatment: ND

Medical Conditions generally Aggravated by Exposure: ND

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**Section 5: Fire Fighting Measures**

Flash Point: 250º C

Flammable Limits: Not flammable.

Auto-ignition point: NE


Special Fire Fighting Procedures: Do not breathe decomposition products and fumes. Use approved self-contained breathing apparatus. Wear fire retardant clothing. Large fires should only be dealt with by trained personnel.

Unusual Fire and Explosion Hazards: ND

Hazardous combustion products: ND

DOT Class: None

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**Section 6: Accidental Release Measures**

Steps to be Taken in Case Material is Released or Spilled: Ventilate area. Isolate the spillage. Do not allow spill to enter drains and watercourses. Wear suitable respiratory protection for large spillages and in confined spaces. Wear rubber gloves. Use eye protection such as goggles to BS EN 166 Chemical Grade. Absorb in inert material such as sand or absorbent granules. Scoop up and place in plastic container to await transfer. Dispose in accordance with local regulations.

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 skin contact. Avoid eye contact. Avoid inhalation of vapour. Ensure adequate ventilation. Use local extraction equipment where possible. Wear suitable protective clothing (see section 8).

Storage temperature: Room temperature.
Section 8: Exposure Controls / Personal Protection

Engineering Controls
Ventilation required: Use mechanical ventilation if possible.

Personal Protection Equipment
Respiratory protection: Use in well ventilated areas.
Protective gloves: Wear rubber gloves.
Skin protection: Wear suitable overalls or apron and change if contaminated.
Eye protection: Wear suitable eye protection such as BS EN 166
Additional clothing and/or equipment: ND

Exposure Guidelines
See Composition/Information on Ingredients (Section2)

Section 9 Physical and Chemical Properties
Appearance and Physical State: Viscous colorless liquid.
Odor (threshold): Sweet, mild.
Specific Gravity (H₂O=1): 1.032 – 1.038
Vapor Pressure (mm Hg): NE
Vapor Density (air=1): NE
Percent Volatile by volume: NE
Evaporation Rate (butyl acetate=1): NE
Boiling Point: NE
Freezing point / melting point: NE
pH: Neutral
Solubility in Water: Miscible with water.
Molecular Weight: NA

Section 10: Stability and Reactivity
Stability: Stable at normal temperatures.
Conditions to Avoid: ND
Materials to Avoid (Incompatibility): Oxidizing agents, acids.
Hazardous Decomposition Products: No hazardous decomposition products when stored and handled correctly.
Hazardous Polymerization: Will not occur.

Section 11: Toxicological Information
Results of component toxicity test performed: No toxic effects known.
Human experience: ND.
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: Do not discharge into drains or watercourses. 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: Not regulated.
IATA: Proper shipping name: Not regulated.
IMO: Proper shipping name: Not regulated.
Marine Pollutant: No
Canadian TDG: Not regulated.

Section 15: Regulatory Information
United States Federal Regulations
SARA: NA
SARA Title III: NA
RCRA: NA
TSCA: NA
CERCLA: NA
State Regulations
California Proposition 65: None
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
Hazard Rating: Health: NE; Fire: NE; Reactivity: NE
(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

Disclaimer
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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.

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