Section 1: Product and Company Identification
Product Name: Pelco® Slow Cure Hardener
Synonym: ND
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>
</tr>
</thead>
<tbody>
<tr>
<td>Aminoethylpiperazine (140-31-8)</td>
<td>&lt;15</td>
<td>NE</td>
<td>NE</td>
<td>None</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>Polyoxypropylenediamine (9046-10-0)</td>
<td>&lt;50</td>
<td>NE</td>
<td>NE</td>
<td>None</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>Proprietary Ingredients (Trade secret)</td>
<td>&gt;5</td>
<td>NE</td>
<td>NE</td>
<td>None</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>Epoxy resin (25085-99-8)</td>
<td>&gt;25</td>
<td>NE</td>
<td>NE</td>
<td>None</td>
<td>None</td>
<td>None</td>
</tr>
</tbody>
</table>

Section 3: Hazard Identification
Emergency overview
Appearance: Clear liquid or pigmented liquid.
Immediate effects: Corrosive epoxy hardener. Certain individuals may have pre-existing skin or respiratory conditions causing a sensitivity or allergy which manifest as various reactions. Heating or spraying this product or the mixed parts increases potential health hazards. Health and safety personnel should examine the handling procedures and remedy any existing or potential health and safety hazards.

Potential health effects
Primary Routes of entry: ND
Signs and Symptoms of Overexposure: Skin rash, irritation, reddening, or eczema; Breathing irritation or difficulty.
Eyes: Can cause irritation. Significant, prolonged, or repeated contact can damage the cornea.
Skin: Can cause irritation. Significant, prolonged, or repeated exposure can cause severe irritation.
Ingestion: Can inflame or damage the G.I. tract. Ingestion can be harmful.
Inhalation: Can cause irritation. Significant, prolonged, or repeated exposure to mist or vapor can damage the respiratory system.
Chronic Exposure: Repeated exposure can cause irritation and sensitization.
Chemical Listed As Carcinogen Or Potential Carcinogen: None ≤ 0.1%
See Toxicological Information (Section11)

**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: Hold eyelids apart and flood with copious amounts of water. Seek medical attention.
Skin Contact: Remove excess product. Wash thoroughly with soap and water. If irritation persists, seek medical attention.
Inhalation: Remove to fresh air. Seek medical attention.
Ingestion: Do not induce vomiting unless directed by medical personnel. Seek medical attention.

**Note to physician**

Treatment: ND
Medical Conditions generally Aggravated by Exposure: ND

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**Section 5: Fire Fighting Measures**

Flash Point: 205°C (400° F)
Flammable Limits: UEL: ND, LEL: ND
Auto-ignition point: ND
Fire Extinguishing Media: Use foam, CO₂, dry chemical, water fog.
Special Fire Fighting Procedures: Firefighters should wear butyl rubber boots, gloves, and body suit with SCBA. May generate toxic and irritating combustion products. Use DOT Response Guide #153
Unusual Fire and Explosion Hazards: Stay upwind. Wear at least full bunker gear and SCBA.
Hazardous combustion products: CO, CO₂, NOₓ and misc. hydrocarbons.
DOT Class: Corrosive.

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**Section 6: Accidental Release Measures**

Steps to be Taken in Case Material is Released or Spilled: Isolate spill area. Keep out of sewer and storm drains. Absorb spill with non-combustible materials and scoop up. Clean up spill residues with soap and water.
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: Avoid skin and eye contact and breathing vapors or mists by appropriate measures. Do not eat or smoke while handling this product. Wash thoroughly after handling or exposure to this product. Store in original sealed container in dry, well-ventilated areas.
Storage temperature: 65° to 80° F or ambient.
Storage Pressure: NA

Section 8: Exposure Controls / Personal Protection

Engineering Controls
Ventilation required: Provide ventilation that will keep airborne concentration at a minimum.

Personal Protection Equipment
Respiratory protection: NIOSH approved respirator with organic vapor/HEPA filter cartridges.
Protective gloves: Chemical resistant gloves
Skin protection: Chemical resistant gloves. Don chemical resistant clothing where exposure may occur.
Eye protection: Safety glasses or splash goggles with face shield.
Additional clothing and/or equipment: Decontaminate or discard clothing and materials that have come in contact with this product.

Exposure Guidelines
See Composition/Information on Ingredients (Section 2)

Section 9: Physical and Chemical Properties
Appearance and Physical State: Clear liquid or pigmented liquid.
Odor (threshold): Faint amine odor.
Specific Gravity (H₂O=1): 0.964-1.05
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: Alkaline
Solubility in Water: Slightly
Molecular Weight: NA

Section 10: Stability and Reactivity
Stability: Stable
Conditions to Avoid: Incompatible materials
Materials to Avoid (Incompatibility): Strong oxidizers, acids, epoxy resins in uncontrolled conditions; contact with other un-polymerized monomers or polymers.
Hazardous Decomposition Products: None known, other than combustion products in
Section 5
Hazardous Polymerization: Will not occur.

Section 11: Toxicological Information
Results of component toxicity test performed: Oral: ND, Dermal: ND, Inhalation: ND
Human experience: ND
This product does not contain any compounds listed by NTP or IARC or regulated by OSHA as a carcinogen. None \( \leq 0.1\% \)

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: Proper shipping name: Amines, liquid, corrosive, n.o.s. (Polyoxypropylenediamine)
Hazard Class: 8
Packaging group: III
UN Number: UN2735
IATA: Proper shipping name: Amines, liquid, corrosive, n.o.s. (Polyoxypropylenediamine)
Hazard Class: 8
Packaging group: III
UN Number: UN2735
Marine Pollutant: No

Section 15: Regulatory Information
United States Federal Regulations
SARA: ND
SARA Title III: Section 311 and 312, Immediate Health Hazard. Section 313, Chemicals above de minimis level: None
RCRA: ND
TSCA: Contains listed ingredients.
CERCLA: ND
State Regulations
California Proposition 65: Not Listed
International Regulations
Canada WHMIS: Class D Division 2A, Class D Division 2B, Class E Corrosive
Europe EINECS Numbers: ND
Section 16: Other Information
Label Information: ND
European Risk and Safety Phrases: ND
European symbols needed: ND
Canadian WHMIS Symbols: Stylized T
NFPA Hazard Rating: Health: 3; Fire: 1; Reactivity: 0; Other NA
(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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