



## Material Safety Data Sheet

Product No. 813-514, 813-515 Pelco® Slow Cure Hardener

Issue Date (05-27-09)

Review Date (04-12-12)

### 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

Principle Hazardous Component(s) (chemical and common name(s)) (Cas. No)	%	OSHA PEL mg/m <sup>3</sup>	ACGIH TLV mg/m <sup>3</sup>	NTP	IARC	OSHA regulated
Aminoethylpiperazine (140-31-8)	<15	NE	NE	None	None	None
Polyoxypropylenediamine (9046-10-0)	<50	NE	NE	None	None	None
Proprietary Ingredients (Trade secret)	>5	NE	NE	None	None	None
Epoxy resin (25085-99-8)	>25	NE	NE	None	None	None

### 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  $\leq$  0.1%

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: 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, CO<sub>2</sub>, 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, CO<sub>2</sub>, NO<sub>x</sub> 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.

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## **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

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## **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 (Section2)

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

Appearance and Physical State: Clear liquid or pigmented liquid.

Odor (threshold): Faint amine odor.

Specific Gravity (H<sub>2</sub>O=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

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## **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.

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### **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%

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### **Section 12: Ecological Information**

Ecological Information: ND

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: 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

Packing group: III

UN Number: UN2735

Marine Pollutant: No

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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: 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

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**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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**Disclaimer**

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