



## Material Safety Data Sheet

**Product No. 16022 PELCO® Conductive Gold Paste**

**Issue Date (07-02-02)**

**Review Date (04-12-12)**

### Section 1: Product and Company Identification

**Product Name: PELCO® Conductive Gold Paste**

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.**

### Section 2: Composition / Information on Ingredients

<b>Principle Hazardous Component(s) (chemical and common name(s)) (Cas. No)</b>	<b>%</b>	<b>OSHA PEL mg/m<sup>3</sup></b>	<b>ACGIH TLV mg/m<sup>3</sup></b>	<b>NTP</b>	<b>IARC</b>	<b>OSHA regulated</b>
Gold (7440-57-5)	70	ND	ND	No	No	No
Toluene (108-88-3)	NE	100 ppm	100 ppm	No	No	No
Arcosolve PM (107-98-2)	NE	100 ppm	100 ppm	No	No	No
Ethanol (64-17-5)	NE	1000 ppm	1000 ppm	No	No	No
Ethyl acetate (141-78-6)	NE	400 ppm	400 ppm	No	No	No

### Section 3: Hazard Identification

#### Emergency overview

Appearance: Golden brown liquid.

Immediate effects: Flammable material. May be irritating to the skin, eyes and respiratory tract.

#### Potential health effects

Primary Routes of entry: Inhalation, ingestion, skin and eye contact.

Signs and Symptoms of Overexposure:

Eyes: Irritating to the eyes.

Skin: Irritating to the skin.

Ingestion: ND

Inhalation: Irritating to the respiratory tract.

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: Flush immediately with large amounts of water for at least 15 minutes. Eyelids should be held away from the eyeball to ensure thorough rinsing. Get medical attention if irritation persists.

Skin Contact: Wash area thoroughly with soap and water. Get medical aid if irritation develops or persists.

Inhalation: Remove from exposure to fresh air immediately. Get medical aid if cough or other symptoms appear.

Ingestion: Do not induce vomiting. Never give anything by mouth to an unconscious person. If victim is conscious and alert, give 2-4 cups full of milk or water. Get medical aid.

**Note to physician**

Treatment: ND

Medical Conditions generally Aggravated by Exposure: ND

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**Section 5: Fire Fighting Measures**

Flash Point: 24 °F

Flammable Limits: ND

Auto-ignition point: NE

Fire Extinguishing Media: Carbon dioxide, foam, dry chemical, water.

Special Fire Fighting Procedures: As in any fire, wear self-contained breathing apparatus pressure-demand, (OSHA/NIOS approved or equivalent) and full protective gear.

Unusual Fire and Explosion Hazards: Can burn in fire, releasing toxic vapors. Vaporized easily at normal temperatures.

Hazardous combustion products: Forms carbon dioxide and carbon monoxide.

DOT Class: Flammable liquid

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**Section 6: Accidental Release Measures**

Steps to be Taken in Case Material is Released or Spilled: Wear protective equipment.

For an uncontrolled release of this product to the environment, take immediate steps to stop and contain release. Notify local authorities, if required. Clean up with rags or paper and place in container for refining.

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: Use with adequate ventilation. Avoid contact with skin and eyes. Wash thoroughly after handling. Keep container closed when not in use.

Storage temperature: Ambient or lower

Storage Pressure: ND

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

### **Engineering Controls**

Ventilation required: Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits.

### **Personal Protection Equipment**

Respiratory protection: Good general ventilation should be sufficient to control airborne levels. A NIOSH approved dust/mist respirator is recommended when TLV levels are exceeded.

Protective gloves: Use appropriate chemical protective gloves when handling.

Skin protection: Avoid unnecessary skin contact with this material. Wear protective clothing.

Eye protection: Wear chemical safety glasses with side shields.

Additional clothing and/or equipment: Have eye washing facilities readily available where eye contact can occur.

### **Exposure Guidelines**

See Composition/Information on Ingredients (Section2)

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

Appearance and Physical State: Golden brown liquid.

Odor (threshold): Aromatic 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: 175 °F

Freezing point / melting point: ND

pH: ND

Solubility in Water: ND

Molecular Weight: ND

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

Stability: Stable under normal conditions.

Conditions to Avoid: ND

Materials to Avoid (Incompatibility): Avoid contact with strong oxidizers, acids, and alkali.

Hazardous Decomposition Products: May form carbon dioxide and carbon monoxide.

Hazardous Polymerization: Will not occur.

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## **Section 11: Toxicological Information**

Results of component toxicity test performed: ND

Human experience: ND

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 data are not available.

Chemical Fate Information: Materials should be treated as harmful to aquatic organisms.

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### **Section 13 Disposal Considerations**

RCRA 40 CFR 261 Classification: Ethyl Acetate (141-78-6): U112; Toluene (108-88-3): U220. Can be recycled to recover precious metal.

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: Flammable liquid, n.o.s. (Toluene, Ethanol)

Hazard Class: 3

Packaging group: III

UN Number: UN1993

Limitations: ND

IATA: Proper shipping name: Flammable liquid, n.o.s. (Toluene, Ethanol)

Hazard Class: 3

Packing group: III

UN Number: UN1993

Limitations: ND

Domestic shipments only:

IMO: Proper shipping name: Flammable liquid, n.o.s. (Toluene, Ethanol)

Class: 3

UN Number: UN1993

Packing group: III

EMS: ND

MFAG: ND

Marine Pollutant: No

Canadian TDG: Flammable liquid, n.o.s. (Toluene, Ethanol)

IMDG Page: ND

Limitations :ND

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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: Yes

SARA Title III: Section 313: Toluene (108-88-3)

RCRA: Ethyl Acetate (141-78-6); Toluene (108-88-3): U-series.

TSCA: All components of this product are listed on the TSCA Inventory.

CERCLA: Ethyl Acetate (141-78-6): RQ = 5000 lbs (2270 kg); Toluene (108-88-3): RQ = 1000 lbs (454 kg)

#### **State Regulations**

California Proposition 65: This product contains material known to the State of California to cause cancer or birth defects: Toluene (108-88-3): Developmental.

### **International Regulations**

Canada WHMIS: Components of this product are listed in the CPR Inventory List.  
Europe EINECS Numbers: Arcosolve PM (107-98-2): EINECS#: 203-539-1; Gold (7440-57-5): EINECS#: 231-165-9; Toluene (108-88-3): EINECS#: 203-625-9; Ethanol (64-17-5): EINECS#: 200-578-6; Ethyl acetate (141-78-6): EINECS#: 205-500-4.

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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

HMIS ® Hazard Rating: Health: **1**; Fire: **3**; Reactivity: **0** Personal Prot. Equip.: **C**  
(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**

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.