

Material Safety Data Sheet

Prod. No. 16032, PELCO® Colloidal Silver Paste
Issue Date (08-14-01)

Section 1: Product and Company Identification

Product Name: PELCO® Colloidal Silver Paste

Company Name

Ted Pella, Inc. and PELCO International, 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 Hazardous Ingredients Data:

Principle Hazardous Component(s) (chemical and common name(s)) (Cas. No)	%	OSHA PEL mg/m3	OSHA PEL PPM	NTP	IARC	OSHA regulated
Silver(7440-22-4)		0.01		NIF	NIF	NIF
Arcosolve PM(107-98-2)			100	NIF	NIF	NIF
Toluene (108-88-3)			100	NIF	3	NIF
D-Limonene (5989-27-5)			NA	NIF	NIF	NIF
Ethanol (64-17-5)			1000	NIF	NIF	NIF
Ethyl Acetate (141-78-6)			400	NIF	NIF	NIF

Section 3 Physical Data:

Melting Point: ND

Boiling Point: 167° F

Specific Gravity (H₂O=1): ND

Vapor Pressure: ND

Molecular Weight: ND

Vapor Density: ND
pH: ND
Percent Volatile by volume: ND
Solubility in Water: ND
Evaporation Rate: ND
Appearance and Odor: Grey paste with strong odor.

Section 4 Fire and Explosion Hazard Data:

Flash Point: 24° F (ETHYL ACETATE)
Flammable Limits: ND
Fire Extinguishing Media: Carbon dioxide, foam, dry chemical, water.
Special Fire Fighting Procedures: As in any fire, wear self-contained breathing apparatus pressure demand, (MSHA/NIOSH approved or equivalent) and full protective gear.
Unusual Fire and Explosion Hazards: Can burn in fire, releasing toxic vapors. Vaporized easily at normal temperatures.

DOT Class: 3

Section 5 Reactivity Data:

Stability: Stable under normal conditions of use.
Conditions to avoid: Contact with strong oxidizers, acids and alkali.
Incompatibility (materials to avoid): Strong oxidizers, acids and alkali
Hazardous Decomposition Products: May form carbon dioxide and carbon monoxide.
Hazardous Polymerization: Will not occur.

Section 6 Health Hazard Data:

Primary Routes of entry: Inhalation, ingestion, skin and eye contact.
Signs and Symptoms of Overexposure: ND
Eyes: ND
Skin: ND
Medical Conditions generally Aggravated by Exposure: ND
Chemical Listed As Carcinogen Or Potential Carcinogen: None

Section 7 Emergency First Aid Procedures:

Inhalation: Remove from exposure to fresh air immediately. Get medical aid if cough or other symptoms appear.
Eye(s) Contact: Flush immediately with large amounts of water for a 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 an irritation develops or persists.
Ingestion: Do not induce vomiting. Never give anything by mouth to an unconscious person. If victim is conscious and alert, give 2-4 cupful of milk or water. Get medical aid.

Section 8 Special Protection Information:

Respiratory Protection: Good general ventilation should be sufficient to control airborne

levels. A NIOSH approved dust/mist respirator is recommended when TLV are exceeded. Ventilation required: Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits.

Protective Gloves: Avoid unnecessary contact with this material. Use appropriate chemical protective gloves when handling.

Eye Protection: Wear chemical safety glasses with side shield. Have eye-washing facilities readily available where eye contact can occur.

Additional Clothing and/or Equipment:

Section 9 Special Precautions and Spill or Leak Procedures:

Precautions to be Taken in Handling and Storage: Keep container closed when not in use.

Storage temperature: Ambient or lower

Storage Pressure: NA

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

Environmental precautions: For an uncontrolled release of this product to the environment, take immediate steps to stop and contain release. Notify local authorities, if required. Spill or leak procedure: 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.

Section 11 Toxicological Information:

Results of component toxicity test performed: Routes of Exposures, Inhalation, ingestion, skin and eye contact.

Human experience: NIF

This product **does not** contain any compounds listed by NTP or IARC or regulated by OSHA as a carcinogen.

Section 12 Ecological Information:

Further information: Ecological data are not available. Material should be treated as harmful to aquatic organisms.

Section 13 Disposal Considerations:

RCRA 40 CFR 261 Classification:

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: Flammable Liquid, NOS (1-Methoxy-2-Propanol, Toluene)

Hazard Class: 3

Packaging group: III

UN Number: 1993

IATA: Proper shipping name: Flammable Liquid, NOS (1-Methoxy-2-Propanol, Toluene)

Hazard Class: 3
Packing group: III
UN Number: 1993

Section 15 Regulatory Information:

United States Federal Regulations:

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

CERCLA/Superfund, 40 CFR 117, 302:

SARA Superfund and Reauthorization Act of 1996:

Title III Section 302, 311, 312 and 313:

Toxic Substance Control Act (TSCA): All Components of this product are listed on the TSCA Inventory.

Resource Conservation and Recovery Act (RCRA):

SARA (313), This product contains the following chemicals which are listed: Silver, 60% Maximum. Toluene 8% Maximum

State Regulations: California Proposition 65: This product contains Toluene, a chemical known to the State of California to cause birth defects or other reproductive harm.

Section 16 Other Information:

NFPA Ratings: ND

HMIS Rating: Health: **2**; Fire: **3**; Reactivity: **0**; Personal Protection Equipment: B
(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

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.

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