

Material Safety Data Sheet May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200. Standard must be consulted for specific requirements.		U.S. Department of Labor Occupational Safety and Health Administration (Non-Mandatory Form) Form Approved OMB No. 1218-0072	
IDENTITY (As Used on Label and List) 18K Gold Plating Pen PL-1004		<i>Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.</i>	
Section I			
Manufacturer's Name Hunter Products, Inc.		Emergency Telephone Number (908) 526-8440	
Address (Number, Street, City, State, and Zip Code) 792 Partridge Drive, P.O. Box 6795		Telephone Number for Information (908) 526-8440	
Bridgewater, NJ 08807		Date Prepared 01/02/11	
		Signature of Preparer (optional)	
Section II – Hazardous Ingredients/Identity Information			
Hazardous Components (Specific Chemical Identity: Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended % (optional)
Gold Potassium Cyanide	5mg/m ³	N.A.	<2%
Silver Potassium Cyanide	5mg/m ³	N.A.	<1%
Diammonium Hydrogen Citrate	N.A.	N.A.	<20%
Aqua Pura	N.A.	N.A.	Balance
A low concentration aqueous solution.			
Gold Potassium Cyanide CAS # 13967-50-5			
Silver Potassium Cyanide CAS# 506-61-6			
Diammonium Hydrogen Citrate CAS# 3012-65-5			
Section III – Physical/Chemical Characteristics			
Boiling Point	≈ 212°F	Specific Gravity (H ₂ O = 1)	N.A.
Vapor Pressure (mm Hg.)	N.A.	Melting Point	N.A.
Vapor Density (AIR = 1)	N.A.	Evaporation Rate (Butyl Acetate = 1)	N.A.
Solubility in Water	Complete		
Appearance and Odor	Odorless and colorless		
Section IV – Fire and Explosion Hazard Data			
Flash Point (Method Used)	N.A.	Flammable Limits	LEL N.A. UEL N.A.
Extinguishing Media	N.A.		
Special Fire Fighting Procedures	N.A.		
Unusual Fire and Explosion Hazards	None		
(Reproduce locally)		OSHA 174, Sept. 1985	

Section V – Reactivity Data			
Stability	Unstable		Conditions to Avoid
	Stable	X	Exposure to high temperature.

Incompatibility (<i>Materials to Avoid</i>)		Strong oxidizers (acids)	
Hazardous Decomposition or Byproducts		Cyanide	
Hazardous Polymerization	May Occur	N.A.	Conditions to Avoid N.A.
	Will Not Occur		
Section VI – Health Hazard Data			
Route(s) of Entry:	Inhalation? X	Skin? X	Ingestion? X
Health Hazards (<i>Acute and Chronic</i>) With sufficient ingestion respiratory failure may occur.			
LD: 50 21mg/K.G. of body weight. (for pure potassium gold cyanide)			
Carcinogenicity:	NTP? N.A.	IARC Monographs? N.A.	OSHA Regulated? N.A.
Signs and Symptoms of Exposure Salivation, nausea, vertigo, convulsions and respiratory failure.			
Medical Conditions Generally Aggravated by Exposure N.A.			
Emergency and First Aid Procedures For ingestion, dilute with 3-4 glasses of water or milk. For skin contact, wash with soap and water. For eye contact, flood with water.			
Section VII – Precautions for Safe Handling and Use			
Steps to Be Taken in Case Material is Released or Spilled Use standard clean-up procedures with water.			
Waste Disposal Method Dispose in accordance with local regulations.			
Precautions to Be Taken in Handling and Storing Store in cool, dry location. Avoid accidental ingestion or skin contact.			
Other Precautions N.A.			
Section VII – Control Measures			
Respiratory Protection (<i>Specify Type</i>) N.A.			
Ventilation Moderate ventilation.	Local Exhaust N.A.	Special N.A.	
	Mechanical (<i>General</i>) Moderate ventilation.	Other N.A.	
Protective Gloves Optional		Eye Protection Optional	
Other Protective Clothing or Equipment N.A.			
Work/Hygienic Practices Wash hands after use and before eating or smoking.			
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