

<b>Material Safety Data Sheet</b> May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200. Standard must be consulted for specific requirements.		<b>U.S. Department of Labor</b> Occupational Safety and Health Administration (Non-Mandatory Form) Form Approved OMB No. 1218-0072	
<b>IDENTITY (As Used on Label and List)</b> 14K Gold Plating Pen PL-1005		<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>	
<b>Section I</b>			
Manufacturer's Name		Emergency Telephone Number	
Address (Number, Street, City, State, and Zip Code)		Telephone Number for Information	
		Date Prepared 01/02/11	
		Signature of Preparer (optional)	
<b>Section II – Hazardous Ingredients/Identity Information</b>			
Hazardous Components (Specific Chemical Identity: Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended % (optional)
Gold Potassium Cyanide	5mg/m <sup>3</sup>	N.A.	<2%
Silver Potassium	5mg/m <sup>3</sup>	N.A.	<1%
Diammonium Hydrogen	N.A.	N.A.	<20%.
Aqua	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			
<b>Section III – Physical/Chemical Characteristics</b>			
Boiling Point	≈212°F	Specific Gravity (H <sub>2</sub> 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			
Appearance and Odor			
<b>Section IV – Fire and Explosion Hazard Data</b>			
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	

<b>Section V – Reactivity Data</b>			
Stability	Unstable		Conditions to Avoid
	Stable	X	
Incompatibility ( <i>Materials to Avoid</i> )			
Hazardous Decomposition or Byproducts			
Hazardous Polymerization	May Occur	N.A.	Conditions to Avoid N.A.
	Will Not Occur		
<b>Section VI – Health Hazard Data</b>			
Route(s) of Entry:	Inhalation? X	Skin? X	Ingestion? X
Health Hazards ( <i>Acute and Chronic</i> ) With sufficient ingestion respiratory failure may occur.			
LD50: 21mg/KG 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 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.			
<b>Section VII – Precautions for Safe Handling and Use</b>			
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.			
<b>Section VII – Control Measures</b>			
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.			