

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) Palladium Plating Pen PL-1015		<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)
Palladium		N.A.	N.A.		<3%
Ammonium Chloride		N.A.	10mg/m ³		<10%
Potassium Chloride		N.A.	N.A.		<5%
Ammonia Water			Air: 50 ppm.		<5%
Aqua Pura		N.A.	N.A.		Balance
A low concentration aqueous solution.					
Palladium CAS # 7440-05-3					
Ammonium Chloride CAS # 12125-02-9					
Potassium Chloride CAS # 7447-40-7					
Ammonia Water CAS# 1336-21-6					
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 Yellowish liquid. Slight odor of ammonia.					
Section IV – Fire and Explosion Hazard Data					
Flash Point (Method Used)		Flammable Limits		LEL	UEL
N.A.		N.A.		N.A.	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 Exposure to high temperature.
	Stable	X	
Incompatibility (<i>Materials to Avoid</i>) Strong oxidizers.			
Hazardous Decomposition or Byproducts Ammonia fumes.			
Hazardous Polymerization	May Occur		Conditions to Avoid N.A.
	Will Not Occur	N.A.	
Section VI – Health Hazard Data			
Route(s) of Entry:	Inhalation? X	Skin? X	Ingestion? X
Health Hazards (<i>Acute and Chronic</i>) N.A.			
Carcinogenicity:	NTP? N.A.	IARC Monographs? N.A.	OSHA Regulated? N.A.
Signs and Symptoms of Exposure N.A.			
Medical Conditions Generally Aggravated by Exposure N.A.			
Emergency and First Aid Procedures For skin contact, wash with soap and water. For eye contact, flush thoroughly with water. If ingested, dilute with 3-4 glasses of water or milk.			
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 or eye 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.			