

MATERIAL SAFETY DATA SHEET

PART NUMBER: PL-1 (100 ML)/PL-5 (500 ML)
MANUFACTURER: ROSEMOUNT ANALYTICAL INC.
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DATE REVISED: 01/26/11
PREPARED BY: T. PHILLIPS

SECTION 1--MATERIAL IDENTIFICATION AND INFORMATION

COMPONENTS	CAS#	%	OSHA PEL	ACGIH TLV	OTHER LIMIT RECOMMENDED
hexachloroplatinic acid hexahydrate	16941-12-1	100			
NON-HAZARDOUS INGREDIENTS					
TOTAL		100			

No health hazard or other information is available for the solution of the mixture. The following sections are based on information obtained from <http://www.vwrsp.com/msds/10/RC5/RC58624.pdf> and our best scientific understanding of the solution.

SECTION 2--PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT	Approximately 100°C
SPECIFIC GRAVITY (H ₂ O = 1)	1
VAPOR PRESSURE (mm Hg/TEMPERATURE)	N/A
MELTING POINT	0°C
VAPOR DENSITY (AIR = 1)	N/A
EVAPORATION RATE (= 1)	UNKNOWN
SOLUBILITY IN WATER	
WATER REACTIVE	
APPEARANCE AND ODOR	Odorless, slightly orange colored liquid

SECTION 3--FIRE AND EXPLOSION HAZARD DATA

FLASH POINT AND METHOD USE	Not Flammable
AUTO IGNITION TEMPERATURE	
FLAMMABILITY LIMITS IN AIR BY VOLUME	
LEL	Not Available
UEL	Not Available
EXTINGUISHER MEDIA	Any means necessary
SPECIAL FIRE FIGHTING PROCEDURE	
UNUSUAL FIRE AND EXPLOSION HAZARD:	Not considered to be either

SECTION 4--REACTIVITY HAZARD DATA

STABILITY	STABLE <u>x</u>	UNSTABLE <u> </u>
CONDITIONS TO AVOID:		
INCOMPATIBILITY MATERIALS TO AVOID:	Strong oxidizers, acids, Hydrogen Peroxide, Sulfites, Ammonium Thiocyanate	

HAZARDOUS DECOMPOSITION PRODUCTS: Emits very toxic fumes of Lead or Lead Oxides and Carbon Monoxides when heated to decomposition.

HAZARDOUS POLYMERIZATION:	MAY OCCUR <u> </u>	WILL NOT OCCUR <u>x</u>
HAZARDOUS POLYMERIZATION CONDITIONS TO AVOID:	N/A	

SECTION 5--HEALTH HAZARD DATA

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PRIMARY ROUTES OF ENTRY: INHALATION x SKIN ABSORPTION x
INGESTION x NOT HAZARDOUS __CARCINOGEN LISTED: NPT yes IRAC no OSHA no NOT LISTED**HEALTH HAZARDS**

ACUTE: Acute poisoning is rare by any route of exposure

CHRONIC: CHRONIC INGESTION CAN LEAD TO CONDITIONS SUBSEQUENT TO LEAD POISONING

SIGNS AND SYMPTOMS OF EXPOSURE: Headaches, nausea, vomiting , blurred vision

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Unknown

EMERGENCY FIRST AID PROCEDURES:

EYE CONTACT: Irrigate immediately with large quantity of water for at least 15 minutes. Call a physician if irritation develops.

SKIN CONTACT: Immediately flush with plenty of water for at least 15 minutes. Remove any contaminated clothing. Wash with soap and water, then flush again with water. Call a physician if irritation develops.

INHALATION: Remove to fresh air. Give artificial respiration if necessary. If breathing is difficult, give oxygen.

INGESTION: Dilute with water or milk. Do not induce vomiting. Call a physician if necessary.

SECTION 6--CONTROL AND PROTECTIVE MEASURES

RESPIRATORY PROTECTION (SPECIFY TYPE): NIOSHA/MSHA APPROVED RESPIRATOR

PROTECTIVE GLOVES: YES

EYE PROTECTION: YES

VENTILATION TO BE USED NORMAL ROOM VENTILATION IS ADEQUATE

LOCAL EXHAUST:

MECHANICAL (GENERAL):no

SPECIAL OTHER (SPECIFY): N/A

PROTECTIVE CLOTHING AND EQUIPMENT: Safety glasses, chemical resistant gloves, lab coat

HYGIENIC WORK PRACTICES: Wash hands with soap and water after using solution.

SECTION 7--PRECAUTIONS FOR SAFE HANDLING AND USE/LEAK PROCEDURES

STEPS TO BE TAKEN IF MATERIAL IS SPILLED OR RELEASED: Do not flush to sewer. Absorb with suitable material. Containerize for disposal with a hazardous waste disposal facility. Dispose of in accordance with local regulations.

WASTE DISPOSAL METHODS:

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Protect from freezing and physical damage. Protect from light.

OTHER PRECAUTIONS AND/OR SPECIAL HAZARDS:

RATING:

HEALTH 1FLAMMABILITY 0REACTIVITY 0SPECIFIC NONE