

PRMI

MATERIAL SAFETY DATA SHEET

24 Hr. Emergency Phone No: Chem-Trec 1-800-424-9300

Manufacturer: ProChem, Inc.
826 Roosevelt Road
Rockford, IL 61109

Phone: (815) 398-1788
Fax: (815) 398-1810
E-Mail: Prochem1@aol.com

SECTION 1 Product Identification

CHEMICAL NAME: DIHYDROGEN HEXACHLOROPLATINATE (IV)

PRODUCT NO: 1602

CAS#: 16941-12-1

FORMULA: H₂PtCl₆.6H₂O

SYNONYM: Hexachloroplatinic Acid,, Hexahydrate, Platinic Chloride, Chloroplatinic Acid, hexahydrate

SECTION 2 Composition and Information on Ingredients

INGREDIENT:	CAS#	%	ACGIH (TWA)	OSHA (PEL)
Title Compound	16941-12-1	100	0.002 mg/m ³	0.002 mg/m ³

SECTION 3 Hazards Identification

EMERGENCY OVERVIEW: CORROSIVE. Severe irritant by inhalation, on contact with skin and eyes.

PRIMARY ROUTES OF EXPOSURE: Contact with skin and eyes. Inhalation of dust.

EYE CONTACT: Causes severe irritation of the eyes, pain, blurred vision.

SKIN CONTACT: Causes severe irritation, itching, redness, blistering.

INHALATION: Causes severe irritation by inhalation, coughing, allergic reaction.

INGESTION: No Data

CHRONIC HEALTH EFFECTS: Chemical pneumonitis by inhalation, corneal burns to eyes.

SECTION 4 First Aid Measures

EYE EXPOSURE: Immediately flush the eyes with copious amounts of water (lukewarm if possible) for 10-15 minutes. Assure flushing under eyelids. A victim may need assistance in keeping their eyelids open. Get immediate competent medical attention.

SKIN EXPOSURE: Wash affected area with soap and copious amounts of water. Remove contaminated clothes if necessary. Seek medical assistance if irritation or redness persists.

INHALATION: Remove victim to fresh air. Closely monitor the victim for signs of respiratory problems, such as difficulty in breathing, coughing, wheezing, or pain. In such cases seek immediate medical assistance.

INGESTION: DO NOT INDUCE VOMITING. Allow victim to rinse mouth out with water provided victim is conscious. Seek immediate medical attention.

SECTION 5 Firefighting Measures

FLASH POINT: Not applicable

AUTOIGNITION TEMPERATURE: Not applicable.

EXPLOSION LIMITS: Not applicable

EXTINGUISHING MEDIUM: Use water spray.

SPECIAL FIREFIGHTING PROCEDURES: No special fire-fighting procedures required. Use normal conditions which include wearing NIOSH/MSHA approved self-contained breathing apparatus, flame and chemical resistant clothing, hats, boots and gloves.

HAZARDOUS COMBUSTION AND DECOMPOSITION PRODUCTS: Hydrogen chloride, chlorine

UNUSUAL FIRE OR EXPLOSTION HAZARDS: None known

SECTION 6 Accidental Release Measures

SPILL AND LEAD PROCEDURES: Keep unprotected persons away. Wear appropriate respiratory and protective equipment to avoid exposure with material, sweep up avoiding raising dust and place in a well-marked container for disposal.

SECTION 7 Handling and Storage

HANDLING AND STORAGE: Hygroscopic. Picks up moisture readily from atmosphere. Store in a tightly sealed container. Store in cool, dry conditions. Keep away from heat, moisture and light. Store away from incompatibles. **CORROSIVE** Avoid contact with skin, eyes. Do not breathe dust. Use with adequate ventilation.

SECTION 8 Exposure Controls and Personal Protection

EYE PROTECTION: Always wear approved safety glasses w/side shields, or safety goggles, faceshield when handling a chemicals substance in the laboratory.

SKIN PROTECTION: Chemical-resistant.

VENTILATION: Chemical fume hood.

RESPIRATOR: OSHA respirator as found in 29 CFR 1910.134

ADDITIONAL PROTECTION: Protection to avoid contact with skin, eyes, clothing.

Safety shower, eyewash in area. Use in a controlled environment. Do not eat, drink or smoke in area.

CORROSIVE. Avoid contact with skin, eyes. Do not breathe dust. Can cause burns to eyes. Causes severe irritation to nose, throat, upper respiratory tract.

SECTION 9 Physical and Chemical Properties

COLOR AND FORM: Brownish yellow to orange to red powder

MOLECULAR WEIGHT: 517.90

MELTING POINT (DEG. C.): 60 (Decomposes)

BOILING POINT: 115 (Decomposes)

VAPOR PRESSURE: Not applicable

VAPOR DENSITY (AIR = 1): Not applicable

SPECIFIC GRAVITY: 2.43

SOLUBILITY IN WATER: Freely soluble

SECTION 10 Stability and Reactivity

STABILITY: Stable

HAZARDOUS POLYMERIZATION: Will not occur

CONDITIONS TO AVOID: Heat, light, moisture

INCOMPATIBILITY: Cyanides, sulfides, metals, strong bases

DECOMPOSITION PRODUCTS: Hydrogen chloride, chlorine

SECTION 11 Toxicological Information

CARCINOGENIC EFFECTS: No Data

MUTAGENIC EFFECTS: No Data

TETRATOGENIC EFFECTS: No Data

To the best of our knowledge the toxicological effects of this compound have not been fully investigated. For use by technically qualified individuals. Not for household use.

SECTION 12 Ecological Information

ECOLOGICAL INFORMATION: Do not allow material to be released to the environment without proper governmental permits. Do not allow undiluted product to reach ground water, water bodies or sewage system.

SECTION 13 Disposal Considerations

DISPOSAL: Dispose of in according to local state and federal regulations.

SECTION 14 Transportation Information

Chloroplatinic Acid, Solid CLASS 8 , UN2507, PG III

SECTION 15 Regulatory Information

TSCA: Not Listed

SARA (TITLE 313): Not reportable

OSHA: No

SECTION 16 Other Information

DISCLAIMER: The information herein is believed to be accurate and reliable as of the date compiled. However, ProChem, Inc. makes no representation, warranty, or guarantee of any kind with respect to the information in this document or any use of the product based on the information.

DATE PREPARED: 01/2011

Page 3 (Dihydrogen Hexachloroplatinate (IV))