SAFETY DATA SHEET: CHLOROPLATINIC ACID, Hexahydrate

1. IDENTIFICATION

Product Name: CHLOROPLATINIC ACID, Hexahydrate
Synonyms: Platinum chloride; Hexachloroplatinic acid
Formula and Formula Weight: H2PtCl6 6H2O  517.92
Integra numbers beginning with: C482.10
Recommended Use: Commercial/industrial use
Restrictions on Use: No information available

INTEGRA Chemical Company
24 Hour Emergency Response: CHEMTREC 800-424-9300 (Outside USA 703-527-3887)
1216 6th Ave N
Kent WA  98032
Phone: 253-479-7000

2. HAZARDS IDENTIFICATION

OSHA Classification:
Acute Toxicity - Oral: 3 Toxic if swallowed.
Skin Corrosion/Irritation: 1B Causes severe skin burns and eye damage.
Eye Damage/Irritation: 1 Causes serious eye damage.
Sensitization - Respiratory: 1 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Hazard Category:
OSHA Classification:
Acute Toxicity - Oral: 3 Toxic if swallowed.
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Eye Damage/Irritation: 1 Causes serious eye damage.
Sensitization - Respiratory: 1 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Signal Word: Danger

Precautionary Statements
Prevention:
Do not breathe dusts or mists.
Wash thoroughly after handling.
Do not eat, drink or smoke when using this product.
Wear protective gloves, protective clothing, eye protection, face protection.
Wear respiratory protection.

Response
If swallowed: Immediately call a poison center, doctor. Rinse mouth. Do NOT induce vomiting.
If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water, shower.
If inhaled: Remove person to fresh air and keep comfortable for breathing.
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Immediately call a poison center, doctor.
Specific treatment (see first aid section on this label)
If experiencing respiratory symptoms: Call a poison center, doctor.
Wash contaminated clothing before reuse.

Storage
Store locked up.

Disposal
Dispose of contents, container in accordance with all governmental regulations.

Hazard Not Otherwise Classified: No information available

3. COMPOSITION/INFORMATION ON INGREDIENTS

Component: Chloroplatinic acid, hexahydrate
Synonyms: Platinum chloride; Hexachloroplatinic acid
CAS #: 18497-13-7
% Weight: 100

4. FIRST AID MEASURES

Inhalation: Remove person to fresh air and keep comfortable for breathing. If not breathing, give artificial respiration. If breathing is difficult administer oxygen. Seek medical attention.
Eye Contact: Flush eyes with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Seek immediate medical attention.
Skin Contact: Remove contaminated clothing. Flush skin with water for at least 15 minutes. Seek medical attention if irritation persists.
Ingestion: Do not induce vomiting. If victim is conscious, rinse mouth, give water. Never give anything by mouth to an unconscious person. Seek immediate medical attention.
Additional notes: Symptoms and effects include eye, nose irritation; allergy or asthma symptoms, breathing difficulties; cough, wheezing, cyanosis; skin sensitization; lymphocytosis; skin burns, eye damage; nausea, vomiting, gastrointestinal irritation, bloody
5. PHYSICAL AND CHEMICAL PROPERTIES

- **Vapor Pressure:** Not available
- **Odor:** Brownish-yellow deliquescent crystalline mass
- **Odor Threshold:** Not available
- **pH:** Not available
- **Partition Coefficient: n-octanol/water:** Not available
- **Decomposition Temperature:** 60 °C
- **Viscosity:** Not available
- **Relative Density:** 2.43 Water=1
- **Solubility:** Soluble in water
- **Partition Coefficient: n-octanol/water:** Not available
- **Auto-Ignition Temperature:** Not available
- **Decomposition Temperature:** Not available
- **Viscosity:** Not available

6. FIRE-FIGHTING MEASURES

- **Extinguishing Media:** Material is not flammable. Use extinguishing media suitable to surrounding materials.
- **Special Equipment and Precautions:** Use water to cool nearby containers and structures. Wear full protective equipment, including suitable respiratory protection.
- **Specific Hazards:** Reacts with steel and many common metals to form hydrogen gas.
- **Hazardous combustion products:** Chlorine.

7. ACCIDENTAL RELEASE MEASURES

- **Spill Procedures:** Prevent spread of spill. Wear full protective equipment and respiratory protection. Sweep or scoop into a suitable disposal container in a manner that does not generate dusts. Save for reclamation or disposal. Do not let product enter drains.

8. HANDLING AND STORAGE

- **Incompatible Materials:** Incompatible with strong bases and strong oxidizers. Bromine trifluoride, carbonates, sulfides, cyanides and many common metals.
- **Storage and Handling:** Store locked up in a cool, dry, well-ventilated corrosive materials storage area away from incompatible materials. Keep containers tightly closed and protect them from physical damage. Minimize exposure to air and light. Hygroscopic material. Keep containers tightly sealed and in a dry area to prevent absorption of moisture. Do not breathe dusts or mists. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Wear protective gloves, protective clothing, eye protection, face protection. Wear respiratory protection.

9. EXPOSURE CONTROLS AND PERSONAL PROTECTION

- **OSHA & ACGIH Exposure Limits:**
  - Chloroplatinic acid, hexahydrate
    - OSHA TWA: 0.002 mg/m3 (as Pt)
    - ACGIH TWA: 0.002 mg/m3 (as Pt)
- **Engineering Controls:** Use general or local exhaust ventilation to meet TLV and PEL requirements.
- **Respiratory Protection:** Respiratory protection required if airborne concentrations exceed PEL or TLV. Use a NIOSH approved full facepiece respirator with a particulate filter.
- **Skin/Eye Protective Equipment:** Safety goggles, protective clothing and gloves appropriate for the risk of exposure. Facilities storing or utilizing this material should have readily accessible eyewash stations and safety showers. Select respirators and other safety equipment in accordance with regulations and based upon the particular conditions of use and risk of exposure. Always use safe chemical-handling and good industrial hygiene practices.

10. STABILITY AND REACTIVITY

- **Stability:** Stable
- **Possibility of Hazardous Reactions:** Hazardous polymerization will not occur
- **Conditions to Avoid:** Excessive heat and exposure to light. Moisture.
- **Incompatibles:** Incompatible with strong bases and strong oxidizers. Bromine trifluoride, carbonates, sulfides, cyanides and many common metals.
- **Decomposition Products:** Chlorine.

11. TOXICOLOGICAL INFORMATION

- **Effects of Over Exposure:** Diarrhea
Inhalation: May be harmful if inhaled. May cause severe allergic reaction affecting the nose, skin and lungs. Irritation and possibly ulcers can develop in the nose. Symptoms include wheezing, tightness of chest, shortness of breath and other asthmatic symptoms.

Skin Contact: Contact may cause irritation or burns. May produce severe allergic reaction. Symptoms include irritation, eczema, itching and dermatitis.

Eye Contact: Contact may burn or damage the eyes.

Ingestion: Harmful if swallowed. Ingestion may cause nausea, vomiting and gastrointestinal irritation. May cause bloody diarrhea.

Chronic Effects: Prolonged or repeated exposure may cause sensitization and allergic reaction in the respiratory system or on the skin. Skin exposure may cause cracking, bleeding, skin rash and pain. Inhalation may cause irritation of the throat and nasal passages, ulcer in the nose, sneezing, bronchial irritation and respiratory distress. Repeated exposure can lead to permanent lung damage. Once sensitized, even very small future exposures can cause adverse health effects.

Target Organs: Eyes, skin, respiratory system, lungs.

Additional Effects: May aggravate pre-existing respiratory conditions, skin conditions.

Reproductive Effects: No information available

Carcinogenicity: None identified

Toxicity Data:

Chloroplatinic acid, hexahydrate 82 mg/kg

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<th>12. ECOLOGICAL INFORMATION</th>
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<td>Aquatic Toxicity Data:</td>
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<td>Chloroplatinic acid, hexahydrate 82 mg/kg</td>
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<td>Terrestrial Toxicity Data:</td>
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<td>Chloroplatinic acid, hexahydrate No information available</td>
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Persistence and degradability: No information available
Bioaccumulative potential: No information available
Mobility in soil: No information available
Other adverse effects: No information available

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<th>13. DISPOSAL CONSIDERATIONS</th>
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<td>Disposal Procedures: Dispose of material and containers in accordance with all local, state and federal regulations.</td>
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<th>14. TRANSPORTATION INFORMATION</th>
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<td>This product is a regulated material for domestic ground transporation, per CFR Title 49.</td>
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UN Number: UN2507
Proper Shipping Name: Chloroplatinic acid, solid
Packing Group: III
Hazard Class: 8
Environmental hazards: No information available
Special precautions: No information available
Bulk transport: No information available

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<th>15. REGULATORY INFORMATION</th>
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<td>Chloroplatinic acid, hexahydrate is listed in the TSCA inventory.</td>
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<th>16. OTHER INFORMATION</th>
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<td>OSHA SDS #: 25416 rev 101 3/27/2015</td>
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NE = Not established, NA = Not applicable or Not available

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***** END OF SDS *****