SECTION 1: Product Identification

Chemical Name:	Chloroplatinic acid hexahydrate (38-40% Pt) (99.9%-Pt)
Product Number:	213
CAS Registry Number:	16941-12-1
Formula:	H2PtCl6.6H2O
EINECS Number:	241-010-7
Chemical Family:	metal acid halide
Synonym:	Hexacchloroplatinic (IV) acid

SECTION 2: Composition and Information on Ingredients

Ingredient	CAS Number	Percent	ACGIH (TWA)	OSHA (PEL)
Title Compound	16941-12-1	100	0.002mg/m3	0.002mg/m3

SECTION 3: Hazards Identification

Emergency Overview:	Causes sensitization by inhalation and skin contact. May cause wheezing, coughing, and running of the nose. Strong acid, corrosive to skin and eyes.
Primary Routes of Exposure:	Ingestion, inhalation, skin, and eyes.
Eye Contact:	Causes burns to the eyes.
Skin Contact:	Corrosive to the skin. Sensitization by skin contact.
Inhalation:	Inhalation of dust may causes sensitization, burning of the respiratory tract, wheezing, coughing, and shortness of breath.
Ingestion:	Ingestion may lead to dizziness, abdominal cramps, vomiting, and burns to the gastrointestinal tract.
Acute Health Effects:	Causes sensitization by inhalation and skin contact. Corrosive to skin, eyes, mucous membranes and respiratory tract.
Chronic Health Effects:	No information available on long-term chronic effects.
NTP:	No

IARC:	No
OSHA:	No

SECTION 4: First Aid Measures

Eye Exposure:	Immediately flush the eyes with copious amounts of water for at least 10-15 minutes. A victim may need assistance in keeping their eye lids open. Get immediate medical attention.
Skin Exposure:	Wash the affected area with water. Remove contaminated clothes if necessary. Seek medical assistance if irritation persists.
Inhalation:	Remove the 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:	Seek medical attention immediately. Keep the victim calm. Give the victim water (only if conscious). Induce vomiting only if directed by medical personnel.

SECTION 5: Fire Fighting Measures

Flash Point:	not applicable
Autoignition Temperature:	none
Explosion Limits:	none
Extinguishing Medium:	None required
Special Fire Fighting Procedures:	If this product is involved in a fire, fire fighters should be equipped with a NIOSH approved positive pressure self- contained breathing apparatus and full protective clothing.
Hazardous Combustion and Decomposion Products:	If involved in a fire this material may emit toxic and corrosive fumes.
Unusual Fire or Explosion Hazards:	No unusual fire or explosion hazards.

SECTION 6: Accidental Release Measures

Spill and Leak Procedures:	Small spills can be mixed with vermiculite, sodium carbonate or other suitable non combustible adsorbent and swept up.

SECTION 7: Handling and Storage

Handling and Storage:	Store cold. Material is light sensitive. Keep container covered. Handle in the absence of moisture.

SECTION 8: Exposure Controls and Personal Protection

Eye Protection:	Always wear approved safety glasses when handling a chemical substance in the laboratory.
Skin Protection:	Wear protective gloves and clothing.
Ventilation:	To minimize exposure, handle the material in an efficient fume hood.
Respirator:	If ventilation is not available a respirator should be worn. The use of respirators requires a Respirator Protection Program to be in compliance with 29 CFR 1910.134.
Additional Protection:	No additional protection required.

SECTION 9: Physical and Chemical Properties

Color and Form:	orange powder
Molecular Weight:	409.82 (517.92)
Melting Point:	60°C
Boiling Point:	no data
Vapor Pressure:	no data
Specific Gravity:	no data
Odor:	none
Solubility in Water:	very soluble

SECTION 10: Stability and Reactivity

Stability:	light sensitive, hygroscopic (store cold)
Hazardous Polymerization:	no hazardous polymerization
Conditions to Avoid:	none
Incompatibility:	active metals
Decomposition	hydrogen chloride and platinum salts.

Products:	

SECTION 11: Toxicological Information

RTECS Data:	Intravenous(rat); LD50: 49 mgkg. Intraperitoneal(mouse); LD50: 29097 mgkg. Intravenous(rabbit); LDLo: 125 mgkg. Bacteria-Bacillus subtilis; DNA repair: 10 mmolL
Carcinogenic Effects:	No data
Mutagenic Effects:	Mutagen
Tetratogenic Effects:	No data

SECTION 12: Ecological Information

Ecological Information:	No information available

SECTION 13: Disposal Considerations

Disposal:	Dispose of according to local, state and federal regulations.

SECTION 14: Transportation

Shipping Name (CFR):	Chloroplatinic acid, solid
Hazard Class (CFR):	8
Additional Hazard Class (CFR):	NA
Packaging Group (CFR):	III
UN ID Number (CFR):	UN# 2507
Shipping Name (IATA):	Chloroplatinic acid, solid
Hazard Class (IATA):	8
Additional Hazard Class (IATA):	NA
Packaging Group (IATA):	III

UN ID Number (IATA):	UN# 2507

SECTION 15: Regulatory information

TSCA:	Listed in the TSCA inventory.
SARA (Title 313):	Not regulated by Title 313.
Second Ingredient:	None
Third Ingredient:	None