SECTION 1: Product Identification

Chemical Name:	Potassium tetrachloroplatinate(II) (99.9%-Pt)
Product Number:	217
CAS Registry Number:	10025-99-7
Formula:	K2PtCl4
EINECS Number:	233-050-9
Chemical Family:	halometallate salt
Synonym:	Potassium chloroplatinite, Potassium platinum(II) tetrachloride

SECTION 2: Composition and Information on Ingredients

Ingredient	CAS Number	Percent	ACGIH (TWA)	OSHA (PEL)
Title Compound	10025-99-7	100	0.002mg/m3	0.002mg/m3

SECTION 3: Hazards Identification

Emergency Overview:	Toxic if swallowed. Irritating to skin, eyes and respiratory tract. May cause sensitization by inhalation and skin contact.
Primary Routes of Exposure:	Ingestion, skin, inhalation of dust
Eye Contact:	Causes moderate to severe irritation of the eyes. Risk of serious damage to eyes.
Skin Contact:	Causes moderate irritation of the skin and dermatitis. Contact through a break in the skin can induce an allergic reaction.
Inhalation:	Inhalation of dust causes wheezing, coughing, shortness of breath and asthma like symptoms, typical of allergy.
Ingestion:	Toxic if swallowed. Ingestion may lead to dizziness, abdominal cramps, vomiting bloody diarrhea, weakness and convulsions.
Acute Health Effects:	Toxic if swallowed. Irritating to skin, eyes and respiratory tract. May cause sensitization by inhalation and skin contact.
Chronic Health Effects:	The chloroplatinate allergic reaction known as platinosis ceases when exposure is terminated. No permanent long term effects are reported.
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. Material is non-flammable.
Special Fire Fighting Procedures:	No special fire fighting procedures required.
Hazardous Combustion and Decomposion Products:	If involved in a fire this material may emit toxic fumes of chlorine gas.
Unusual Fire or Explosion Hazards:	No unusual fire or explosion hazards.

SECTION 6: Accidental Release Measures

Spill and Leak Procedures:	To avoid raising dust, small spills may be mixed with diatomaceous earth, sand, vermiculite or other suitable inert material and swept up.

SECTION 7: Handling and Storage

Handling and Storage:	Store solid in a tightly sealed container away from moisture. Handle under a dry atmosphere of air or nitrogen. Prolonged exposure to the atmosphere may degrade the product.

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 clothing and gloves. Consult with glove manufacturer to determine the proper type of glove.
Ventilation:	Material may form a fine dust. If possible, handle the material in an efficient fume hood.
Respirator:	If in form of fine dust and 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:	pink to red pwdr.
Molecular Weight:	415.11
Melting Point:	no data
Boiling Point:	no data
Vapor Pressure:	not applicable
Specific Gravity:	3.38
Odor:	none
Solubility in Water:	soluble

SECTION 10: Stability and Reactivity

Stability:	hygroscopic
Hazardous Polymerization:	no hazardous polymerization
Conditions to Avoid:	contact with moisture
Incompatibility:	active metals

Decomposition Products:	potassium chloride, chlorine, platinum metal, platinum chloride.

SECTION 11: Toxicological Information

RTECS Data:	Oral (human-child); LDLo: 400 mg/kg. Oral (human-man); TDLo: 8571 ug/kg. Intradermal (human); TDLo: 40 mg/kg. Intraperitoneal (mouse); LD50: 45 mg/kg. Bacteria-Salmonella typhimurium; Mutation in microorganisms: 150 ug/plate. Bacteria-Escherichia coli; Phage inhibition capacity: 1 ug/plate. Microorganism-not otherwise specified; Mutation test systems-not otherwise specified: 1 umol/L. Microorganism-not otherwise specified; DNA damage: 1 umol/L. Yeast-Saccharomyces cerevisiae; Sex chromosome loss and nondisjunction: umol/L. Human Lymphocyte; Micronucleus test: 150 umol/L. Mouse Lymphocyte; DNA inhibition: 50 mg/L.
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):	Toxic solid, Inorganic, N.O.S.
Hazard Class (CFR):	6.1
Additional Hazard Class (CFR):	NA
Packaging Group (CFR):	III
UN ID Number (CFR):	UN# 3288
Shipping Name (IATA):	Toxic solid, Inorganic, N.O.S.
Hazard Class (IATA):	6.1

Additional Hazard Class (IATA):	NA
Packaging Group (IATA):	III
UN ID Number (IATA):	UN# 3288

SECTION 15: Regulatory Information

TSCA:	Listed in the TSCA inventory
SARA (Title 313):	Title compound not listed
Second ingredient:	none
Third ingredient:	none