



SECTION 1: Product Identification

Chemical Name:	Potassium tetrachloropalladate(II), 99%
Product Number:	132
CAS Registry Number:	10025-98-6
Formula:	K ₂ PdCl ₄
EINECS Number:	233-049-3
Chemical Family:	halometallate salt
Synonym:	Palladate(2-), tetrachloro-, dipotassium, potassium palladous chloride

SECTION 2: Composition and Information on Ingredients

Ingredient	CAS Number	Percent	ACGIH (TWA)	OSHA (PEL)
Title Compound	10025-98-6	100	no data	no data

SECTION 3: Hazards Identification

Emergency Overview:	Irritating to skin, eyes and respiratory tract.
Primary Routes of Exposure:	Contact with skin and eyes. Inhalation of dust.
Eye Contact:	Causes slight to mild irritation of the eyes.
Skin Contact:	Causes slight to mild irritation of the skin.
Inhalation:	Irritating to the nose, mucous membranes and respiratory tract.
Ingestion:	No information is available on the physiological effects of ingestion.
Acute Health Effects:	Irritating to skin, eyes 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. Material is non-flammable.
Special Fire Fighting Procedures:	No special fire fighting procedures required.
Hazardous Combustion and Decomposition 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:	brown powdr.
Molecular Weight:	326.41
Melting Point:	dec.
Boiling Point:	no data
Vapor Pressure:	not applicable
Specific Gravity:	2.67
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, palladium metal, palladium chloride.
SECTION 11: Toxicological Information	



RTECS Data:	Administration onto the skin (rabbit); Standard Draize test: 100 mg/24h; Intravenous (rat); LD50: 6400 ug/kg. Intraperitoneal (mouse); LD50: 153 mg/kg. Mutation test not otherwise specified; Microorganism-not otherwise specified: 1 umol/L. Microorganism-not otherwise specified; DNA damage: 1 umol/L.
Carcinogenic Effects:	no data
Mutagenic Effects:	Negative results
Teratogenic 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):	Non-hazardous
Hazard Class (CFR):	NA
Additional Hazard Class (CFR):	NA
Packaging Group (CFR):	NA
UN ID Number (CFR):	NA
Shipping Name (IATA):	Non-hazardous
Hazard Class (IATA):	NA
Additional Hazard Class (IATA):	NA
Packaging Group (IATA):	NA
UN ID Number (IATA):	NA
SECTION 15: Regulatory Information	
TSCA:	Listed in the TSCA inventory.



SARA (Title 313): Title compound not listed.

Second Ingredient: none

Third Ingredient: none