



SECTION 1: Product Identification

Chemical Name:	Ammonium tetrachloropalladate(II), 99%
Product Number:	130
CAS Registry Number:	13820-40-1
Formula:	(NH ₄) ₂ PdCl ₄
EINECS Number:	237-498-6
Chemical Family:	halometallate salts
Synonym:	Ammonium chloropalladate, Diammonium tetrachloropalladate

SECTION 2: Composition and Information on Ingredients

Ingredient	CAS Number	Percent	ACGIH (TWA)	OSHA (PEL)
Title compound	13820-40-1	100	no data	no data

SECTION 3: Hazards Identification

Emergency Overview:	Irritating to skin, eyes, and respiratory tract.
Primary Routes of Exposure:	Ingestion, Inhalation of dust.
Eye Contact:	Irritating to eyes. May cause redness and pain.
Skin Contact:	Irritating to skin. May cause itching and redness.
Inhalation:	Inhalation of dust can lead to irritation of the respiratory tract, causing coughing and sore throat.
Ingestion:	No information 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 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 Decomposition Products:	If involved in a fire this material may emit toxic chlorine and hydrochloric acid 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 material in a tightly sealed bottle. If possible, handle material in an efficient fume hood.
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 appropriate chemical resistant gloves and clothing.
Ventilation:	Material may form a fine dust. If possible, 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:	reddish-brown powdr.
Molecular Weight:	284.29
Melting Point:	dec.
Boiling Point:	no data
Vapor Pressure:	no data
Specific Gravity:	2.17
Odor:	none
Solubility in Water:	soluble

SECTION 10: Stability and Reactivity

Stability:	air and moisture stable
Hazardous Polymerization:	no hazardous polymerization
Conditions to Avoid:	none
Incompatibility:	strong oxidizing agents
Decomposition Products:	ammonia, nitrogen oxides and hydrogen chloride.

SECTION 11: Toxicological Information

RTECS Data:	Administration onto the skin (rabbit); Standard Draize test: 100 mg/24H-severe.
Carcinogenic Effects:	no data



Mutagenic Effects: no data

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): 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