



SECTION 1: Product Identification

Chemical Name:	Sodium tetrachloropalladate (II) trihydrate, 99%
Product Number:	134
CAS Registry Number:	13820-53-6
Formula:	Na ₂ PdCl ₄ ·3H ₂ O
EINECS Number:	237-502-6
Chemical Family:	halometallate salts
Synonym:	Disodium palladium tetrachloride, Palladium sodium chloride trihydrate.

SECTION 2: Composition and Information on Ingredients

Ingredient	CAS Number	Percent	ACGIH (TWA)	OSHA (PEL)
Title Compound	13820-53-6	100	no data	no data

SECTION 3: Hazards Identification

Emergency Overview:	Irritating to skin, eyes, and respiratory tract.
Primary Routes of Exposure:	Ingestion, inhalation, skin, eyes.
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 and hydrogen chloride.
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.
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SECTION 7: Handling and Storage

Handling and Storage:	Store solid in a tightly sealed container.
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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:	reddish-brown pwr.
Molecular Weight:	294.19 (348.22)
Melting Point:	no data
Boiling Point:	no data
Vapor Pressure:	not applicable
Specific Gravity:	no data
Odor:	none
Solubility in Water:	very soluble

SECTION 10: Stability and Reactivity

Stability:	air and moisture stable
Hazardous Polymerization:	no hazardous polymerization
Conditions to Avoid:	none
Incompatibility:	none
Decomposition Products:	sodium chloride, chlorine, palladium metal, oxide, chloride, water, hydrochloric acid.



SECTION 11: Toxicological Information

RTECS Data: Intraperitoneal (mouse); LD50: 400 mg/kg.

Carcinogenic Effects: no data

Mutagenic Effects: no data

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