



SECTION 1: Product Identification

Chemical Name:	Palladium (II) sulfate dihydrate
Product Number:	123
CAS Registry Number:	13566-03-5
Formula:	PdSO ₄ ·2H ₂ O
EINECS Number:	236-957-8
Chemical Family:	metal sulfate
Synonym:	Palladous sulfate, dihydrate

SECTION 2: Composition and Information on Ingredients

Ingredient	CAS Number	Percent	ACGIH (TWA)	OSHA (PEL)
Title Compound	13566-03-5	100	no data	no data

SECTION 3: Hazards Identification

Emergency Overview:	Corrosive to eyes, skin and respiratory tract. May be harmful if swallowed
Primary Routes of Exposure:	Ingestion
Eye Contact:	Causes burns to the eyes.
Skin Contact:	Causes burns to the skin.
Inhalation:	Corrosive to the nose, mucous membranes and respiratory tract.
Ingestion:	Ingestion may lead to dizziness, abdominal cramps, vomiting, bloody diarrhea, weakness, and convulsions.
Acute Health Effects:	Corrosive 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 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 fumes of sulfur oxides.
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 powdered sodium carbonate or ground limestone and swept up.
SECTION 7: Handling and Storage	
Handling and Storage:	Store material in a tightly sealed bottle away from 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 clothing and gloves. Consult with glove manufacturer to determine the proper type of glove.
Ventilation:	If possible, handle the material in an efficient fume hood.
Respirator:	In the absence of adequate ventilation a respirator should be worn. The use of a respiratory 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 xtl.
Molecular Weight:	202.46 (238.50)
Melting Point:	no data
Boiling Point:	no data
Vapor Pressure:	not applicable
Specific Gravity:	no data
Odor:	none
Solubility in Water:	insoluble

SECTION 10: Stability and Reactivity

Stability:	air and moisture stable
Hazardous Polymerization:	no hazardous polymerization
Conditions to Avoid:	none
Incompatibility:	active metals
Decomposition Products:	none

SECTION 11: Toxicological Information

RTECS Data:	No information available in the RTECS files.
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): Corrosive solid, Acidic, Inorganic, N.O.S.

Hazard Class (CFR): 8

Additional Hazard
Class (CFR): NA

Packaging Group
(CFR): II

UN ID Number (CFR): UN# 3260

Shipping Name
(IATA): Corrosive solid, Acidic, Inorganic, N.O.S.

Hazard Class (IATA): 8

Additional Hazard
Class (IATA): NA

Packaging Group
(IATA): II

UN ID Number (IATA): UN# 3260

SECTION 15: Regulatory Information

TSCA: Listed in the TSCA inventory.

SARA (Title 313): Title compound not listed.

Second Ingredient: none

Third Ingredient: none