

### SECTION-1: Identification of the substance / mixture and the company / undertaking

<b>Catalogue Number</b>	CS-EP-00395-1GM
<b>Product Name</b>	Palladium(II) Chloride
<b>CAS No.</b>	7647-10-1
<b>Category</b>	Catalyst
<b>Synonyms</b>	Palladium Dichloride
<b>Brand</b>	Clearsynth Labs Ltd.
<b>Identified uses</b>	Laboratory Chemicals
<b>Uses advised against</b>	Not available
<b>Company</b>	Clearsynth Labs Ltd. Mumbai, India
<b>Emergency Phone #</b>	+91-22-245045900
<b>REACH No.</b>	Not available

### SECTION 2: Hazards identification

**Disclaimer:** This is sample MSDS. Please email [sales@clearsynth.com](mailto:sales@clearsynth.com) for more details.

#### 2.1 Classification of the substance or mixture-Regulation (EC) No 1272/2008:

- Skin irritation (Category 2)
- Serious eye damage/eye irritation (Category 2)
- Acute toxicity (Category 4)

#### 2.2 Label Elements

**Signal Word:** Warning



#### Hazard Statement(s)

Code	Statement
H290	Not available
H301	Not available

H302	Harmful if swallowed.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H335	Not available
H400	Not available
H410	Not available

**Precautionary Statement(s)**

Code	Statement
P234	Not available
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P264	Wash hands thoroughly after handling.
P264+P265	Not available
P270	Not available
P271	Use only outdoors or in a well-ventilated area.
P272	Not available
P273	Not available
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P301+P316	Not available
P301+P317	Not available
P302+P352	IF ON SKIN: Wash with plenty of water and soap.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present.
P305+P354+P338	Not available
P317	Not available
P319	Get medical help if you feel unwell.
P321	Specific treatment (see ... on this label).
P330	Not available

P332+P317	If skin irritation occurs: Get medical help.
P333+P317	Not available
P337+P317	If eye irritation persists: Get medical help.
P362+P364	Take off contaminated clothing and wash it before reuse.
P390	Not available
P391	Not available
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P405	Store locked up.
P406	Not available
P501	Dispose of contents/container in accordance with local/regional/national/international regulation

### SECTION 3: Composition / information on ingredients

#### 3.1 Substance

Component : Palladium(II) Chloride

CAS Number : 7647-10-1

Molecular Formula : Cl<sub>2</sub>Pd

Molecular Weight : 177.33

Parent Chemical : -

Synonyms : Palladium Dichloride

Concentration : Not available

### SECTION 4: First aid measures

Not available

### SECTION 5: Firefighting measures

Not available

### SECTION 6: Accidental release measures

Not available

### SECTION-7: Handling and storage

Not available

### SECTION 8: Exposure controls / personal protection

Not available

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Test	Result
Appearance	No data available
IR spectrum	No data available
pH	No data available
Solubility	No data available

Property	Value
a) Physical State	No data available
b) Color	No data available
c) Odor	No data available
d) pH	No data available
e) Vapour Pressure	No data available
f) Viscosity	No data available
g) Initial Boiling Point and boiling range	No data available
h) Melting Point / Freezing Point	No data available
i) Auto Ignition Temperature	No data available
j) Flash Point	No data available
k) Explosion Limit, Lower	No data available
l) Explosion Limit, Upper	No data available
m) Decomposition Temperature	No data available
n) Loss on Drying	No data available
o) Relative Density	No data available
p) Solubility (in DMSO)	No data available
q) Oxidizing Properties	No data available

### SECTION 10: Stability and reactivity

Not available

### SECTION 11: Toxicological information

#### 11.1 Information on toxicological effects

- Acute toxicity: LD50: 2704 mg/kg (Oral, Rat) (T14) LD50: 70 mg/kg (Intraperitoneal, Rat) (T14) LD50: 3 mg/kg (Intravenous, Rat) (T29)
- Skin corrosion/irritation: Palladium(II) chloride (10 mg deposited on the eye surface) caused corrosive conjunctival lesions and severe inflammation of the cornea and anterior chamber of the eyes of rabbits (n=6). These effects were observed at 24 hr and persisted at 48 and 72 hr.
- Serious eye damage/eye irritation: The compound induced eye irritation in rabbits. Eye irritation noted in the eye of a rabbit treated with palladium chloride.
- Respiratory or skin sensitization: A few studies indicate individuals showed a positive skin reaction to palladium chloride patches. Palladium chloride is a potent skin sensitizer.
- Germ cell mutagenicity: No data available.
- Carcinogenicity: Mice given palladium chloride in drinking water from weaning until natural death showed suppression of body weight, a longer life span only in males, an increase in amyloidosis of several inner organs and doubling of malignant tumors. Mice given palladium chloride in drinking water until natural death developed lymphomas, leukemias and adenocarcinoma of the lung.
- Reproductive toxicity: No data available.
- STOT-single exposure: No data available.
- STOT-repeated exposure: Patients with positive patch test reactions to palladium-chloride may be truly allergic to palladium as well as nickel. The negative response to pure palladium reflects a sub threshold effect. When patch testing is performed with palladium-chloride containing trace amounts of nickel, the threshold for each allergen is reduced and an additive effect of both responses occurs to produce a positive palladium patch test response.
- Aspiration hazard: No data available.

#### Likely routes of exposure

- Skin contact with palladium may cause contact dermatitis, erythema, and oedema. (L798)

#### Symptoms related to the physical, chemical and toxicological characteristics

- Palladium(II) chloride (10 mg deposited on the eye surface) caused corrosive conjunctival lesions and severe inflammation of the cornea and anterior chamber of the eyes of rabbits (n=6). These effects were observed at 24 hr and persisted at 48 and 72 hr.

### SECTION 12: Ecological information

Not available

### SECTION 13: Disposal considerations

Not available

### SECTION 14: Transport information

Not available

### SECTION 15: Regulatory information

Not available

### SECTION 16: Other information

Not available

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