

# SAFETY DATA SHEET

Version: v1  
Revision Date: 2023-11-10  
Print Date: 2023-11-21

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

### 1.1 Product identifiers

Product name : Palladium(II) chloride  
Product Number : P465772  
Brand : aladdin  
CAS-No. : 7647-10-1

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses : Laboratory chemicals, Manufacture of substances

### 1.3 Details of the supplier of the safety data sheet

Company : Shanghai Aladdin Biochemical Tech Co., Ltd  
Address : 36 Xinjinqiao Road, Shanghai  
Telephone : 400-620-6333  
Fax : no data available

### 1.4 Emergency telephone number

Emergency Phone : 0532-83889090

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

#### GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Corrosive to metals Category 1

Acute oral toxicity Category 4

Serious Eye Damage/Eye Irritation Category 1

Skin Sensitization Category 1

### 2.2 GHS Label elements, including precautionary statements

Pictogram : no data available  
Signal word : Danger  
Hazard statement(s)  
H290 : May be corrosive to metals  
H302 : Harmful if swallowed

|                                   |                                                                                                                                  |
|-----------------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| H317                              | May cause an allergic skin reaction                                                                                              |
| H318                              | Causes serious eye damage                                                                                                        |
| <b>Precautionary statement(s)</b> |                                                                                                                                  |
| P234                              | Keep only in original container.                                                                                                 |
| P261                              | Avoid breathing dust/fume/gas/mist/vapors/spray.                                                                                 |
| P264                              | Wash hands [and ...] thoroughly after handling.                                                                                  |
| P270                              | Do not eat, drink or smoke when using this product.                                                                              |
| P272                              | Contaminated work clothing should not be allowed out of the workplace.                                                           |
| P280                              | Wear protective gloves/protective clothing/eye protection/face protection.                                                       |
| P310                              | Immediately call a POISON CENTER or doctor/physician.                                                                            |
| P330                              | Rinse mouth.                                                                                                                     |
| P363                              | Wash contaminated clothing before reuse.                                                                                         |
| P301+P312                         | IF SWALLOWED: call a POISON CENTER/doctor/... IF you feel unwell.                                                                |
| P302+P352                         | IF ON SKIN: wash with plenty of water.                                                                                           |
| P305+P351+P338                    | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing. |
| P501                              | Dispose of contents/container to an approved waste disposal plant.                                                               |

## 2.3 Hazards not otherwise classified (HNOC) or not covered by GHS

Very toxic to aquatic life with long lasting effects

## SECTION 3: Composition/information on ingredients

### 3.1 Substances

|                  |                      |
|------------------|----------------------|
| Synonyms         | : no data available  |
| Formula          | : Cl <sub>2</sub> Pd |
| Molecular weight | : 177.33             |
| CAS No.          | : 7647-10-1          |
| EC-NO.           | : 231-115-6          |

| Component                     | Classification    | Concentration |
|-------------------------------|-------------------|---------------|
| <b>Palladium(II) chloride</b> |                   |               |
|                               | no data available | ≥99.9%        |

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

#### General advice

Show this material safety data sheet to the doctor in attendance.

#### If inhaled

Remove to fresh air. If breathing is difficult, give oxygen. Get medical attention.

#### In case of skin contact

Phone: 400-620-6333 Email: Sale@aladdin-e.com Web: <https://www.aladdin-e.com>

Wash off immediately with plenty of water for at least 15 minutes. Get medical attention.

**In case of eye contact**

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention.

**If swallowed**

Clean mouth with water and drink afterwards plenty of water.

**4.2 Most important symptoms and effects, both acute and delayed**

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

**4.3 Indication of any immediate medical attention and special treatment needed**

no data available

---

**SECTION 5: Firefighting measures**

**5.1 Extinguishing media**

**Suitable extinguishing media**

Water spray. Carbon dioxide (CO<sub>2</sub>). Dry chemical. Chemical foam.

**Unsuitable extinguishing media**

no data available

**5.2 Special hazards arising from the substance or mixture**

no data available

**5.3 Advice for firefighters**

wear self-contained breathing and full protective gear.

**5.4 Further information**

Use water spray to cool unopened containers.

---

**SECTION 6: Accidental release measures**

**6.1 Personal precautions, protective equipment and emergency procedures**

Use personal protective equipment as required. Ensure adequate ventilation.

**6.2 Environmental precautions**

Do not flush into surface water or sanitary sewer system.

**6.3 Methods and materials for containment and cleaning up**

Sweep up and shovel into suitable containers for disposal. Do not let this chemical enter the environment. Avoid dust formation.

**6.4 Reference to other sections**

For disposal see section 13.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Wear personal protective equipment/face protection. Ensure adequate ventilation. Do not get in eyes, on skin, or on clothing. Avoid ingestion and inhalation.

### 7.2 Conditions for safe storage, including any incompatibilities

Keep containers tightly closed in a dry, cool and well-ventilated place.

### 7.3 Specific end use(s)

no data available

---

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

### 8.2 Exposure controls

#### Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

#### Personal protective equipment

##### Eyel/face protection

Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN166(EU).

##### Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. The selected protective gloves have to satisfy the specifications of Regulation (EU)2016/425 and the standard EN 374 derived from it.

##### Body Protection

Complete suit protecting against chemicals, Flame retardant antistatic protective clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

##### Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a fullface particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN(EU).

##### Control of environmental exposure

If safety requires, prevent further leakage or spillage. Do not let the product enter the sewer.

---

## SECTION 9: Physical and chemical properties

## 9.1 Information on basic physical and chemical properties

|                                                 |                                     |
|-------------------------------------------------|-------------------------------------|
| a) Appearance                                   | form: Powder Solid color: Red brown |
| b) Odour                                        | no data available                   |
| c) Odour Threshold                              | no data available                   |
| d) pH                                           | no data available                   |
| e) Melting point/freezing point                 | no data available                   |
| f) Initial boiling point and boiling range      | no data available                   |
| g) Flash point                                  | no data available                   |
| h) Evaporation rate                             | no data available                   |
| i) Flammability (solid, gas)                    | no data available                   |
| j) Upper/lower flammability or explosive limits | no data available                   |
| k) Vapour pressure                              | no data available                   |
| l) Vapour density                               | no data available                   |
| m) Relative density                             | no data available                   |
| n) Water solubility                             | no data available                   |
| o) Partition coefficient: n-octanol/water       | no data available                   |
| p) Auto-ignition temperature                    | no data available                   |
| q) Decomposition temperature                    | no data available                   |
| r) Viscosity                                    | no data available                   |
| s) Explosive properties N                       | no data available                   |
| t) Oxidizing properties N                       | no data available                   |

## 9.2 Other safety information

no data available

---

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

no data available

### 10.2 Chemical stability

Stable under recommended storage conditions.

### 10.3 Possibility of hazardous reactions

no data available

### 10.4 Conditions to avoid

Avoid dust formation. Incompatible products. Excess heat.

### 10.5 Incompatible materials

Strong oxidizing agents, Strong acids, Metals, Ammonia, Strong bases

## 10.6 Hazardous decomposition products

Chlorine, Hydrogen chloride gas

---

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

**Acute toxicity**

no data available

**Skin corrosion/irritation**

no data available

**Serious eye damage/eye irritation**

no data available

**Respiratory or skin sensitisation**

no data available

**Germ cell mutagenicity**

no data available

**Carcinogenicity**

no data available

**Reproductive toxicity**

no data available

**Specific target organ toxicity - single exposure**

no data available

**Specific target organ toxicity - repeated exposure**

no data available

**Aspiration hazard**

no data available

**Additional Information**

no data available

---

## SECTION 12: Ecological information

### 12.1 Toxicity

no data available

### 12.2 Persistence and degradability

no data available

### 12.3 Bioaccumulative potential

no data available

### 12.4 Mobility in soil

no data available

---

## 12.5 Results of PBT and vPvB assessment

no data available

## 12.6 Other adverse effects

no data available

---

## SECTION 13:

### 13.1 Disposal considerations

#### Product

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste.

Chemical waste generators must also consult local, regional, and national hazardous waste regulations to ensure complete and accurate classification.

#### Contaminated packaging

Dispose of as unused product.

---

## SECTION 14: Transport information

### DOT (US)

UN number: UN3260

Packing group: no data available

Class: no data available

Proper shipping name: no data available

Reportable Quantity(RQ): no data available

Poison Inhalation Hazard: no data available

Environmental Hazards: no data available

### IMDG

UN number: UN3260

Packing group: no data available

EMS-No: no data available

Proper shipping name: no data available

### IATA

UN number: UN3260

Packing group: no data available

Class: no data available

Proper shipping name: no data available

---

## SECTION 15: Regulatory information

Please note that waste disposal should also meet local regulations. If applicable, the chemical meets the requirements of the Regulations on the Safety Management of Hazardous Chemicals (adopted by the State Council on December 4, 2013).

---

## SECTION 16: Other information

### Further information

Copyright Aladdin Co. Ltd. License granted to make unlimited paper copies for internal use only. The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product.

---

Phone: 400-620-6333 Email: Sale@aladdin-e.com Web: <https://www.aladdin-e.com>

Aladdin Co. Ltd. and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product.

Version: v1

Revision Date: 2023-11-  
10

Print Date: 2023-11-  
21