# SAFETY DATA SHEET

**Date Accessed:** 03/29/2024
**Date Revised:** 01/15/2022

## SECTION 1. IDENTIFICATION

**Product Name:** Tetraamminepalladium(II) Acetate

**Product Number:** All applicable American Elements product codes, e.g. TAMPD2-AC-02-C , TAMPD2-AC-03-C , TAMPD2-AC-04-C , TAMPD2-AC-05-C

**CAS #:** 61495-96-3

**Relevant identified uses of the substance:** Scientific research and development

**Supplier details:**
American Elements
10884 Weyburn Ave.
Los Angeles, CA 90024
Tel: +1 310-208-0551
Fax: +1 310-208-0351

**Emergency telephone number:**
+1 800-424-9300

## SECTION 2. HAZARDS IDENTIFICATION

Classification of the substance or mixture
According to Regulation (EC) No1272/2008
Skin irritation (Category 2)
Eye irritation (Category 2)
Specific target organ toxicity - single exposure (Category 3)
According to European Directive 67/548/EEC as amended.
Irritating to eyes, respiratory system and skin.
Label elements
Pictogram



Signal word
Hazard statement(s)
H315
H319
H335
Precautionary statement(s)
P261

P305 + P351 + P338
Warning
Causes skin irritation.
Causes serious eye irritation.
May cause respiratory irritation.
Avoid breathing dust/ fume/ gas/ mist/ Vapors/ spray.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Hazard symbol(s)
Xi
R-phrase(s)
R36/37/38
S-phrase(s)
S26
S36
Other hazards - none
Irritant
Irritating to eyes, respiratory system and skin.
In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
Wear suitable protective clothing.

---

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Formula
Molecular Weight
C4H18N4O4Pd
292,63 g/mol
CAS-No. EC-No. Classification Concentration
Tetraamminepalladium(2+) diacetate
61495-96-3 262-819-1 - Skin Irrit. 2; Eye Irrit. 2; STOT - SE 3; H315, H319, H335
Xi, R36/37/38

---

## SECTION 4. FIRST AID MEASURES

General advice
Consult a physician. Show this safety data sheet to the doctor in attendance.
If inhaled
If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact
Wash off with soap and plenty of water. Consult a physician.
In case of eye contact
Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed
Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

---

## SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Special protective equipment for fire-fighters
Wear self contained breathing apparatus for fire fighting if necessary.

---

## SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions
Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.
Environmental precautions
Do not let product enter drains.
Methods and materials for containment and cleaning up
Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

---

## SECTION 7. HANDLING AND STORAGE

Precautions for safe handling
Avoid contact with skin and eyes. Avoid formation of dust and aerosols.
Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire
protection.
Conditions for safe storage
Keep container tightly closed in a dry and well-ventilated place. Store in cool place.

---

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Personal protective equipment
Respiratory protection
For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle respirator.For higher level protection use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) respirator cartridges. Use respirators
and components tested and approved under appropriate government standards such as NIOSH (US) or
CEN (EU).
Hand 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 EU Directive 89/686/EEC and the standard EN 374 derived from it.
Eye protection
Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).
Skin and body protection
impervious clothing, The type of protective equipment must be selected according to the concentration

and amount of the dangerous substance at the specific workplace.
Hygiene measures
Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at
the end of workday.

---

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance solid
Form no data available
Safety data no data available
pH no data available
Melting point 183 - 186 °C - dec.
Boiling point no data available
Flash point
Ignition temperature no data available
Lower explosion limit no data available
Upper explosion limit no data available
Water solubility no data available

---

## SECTION 10. STABILITY AND REACTIVITY

Chemical stability
Stable under recommended storage conditions.
Conditions to avoid
Avoid moisture.
Materials to avoid
Strong reducing agents, Mineral acids
Hazardous decomposition products
Hazardous decomposition products formed under fire conditions. - Carbon oxides, nitrogen oxides (NOx)

---

## SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity
no data available
Skin corrosion/irritation
no data available
Serious eye damage/eye irritation
no data available
Respiratory or skin sensitization
no data available
Germ cell mutagenicity
no data available
Carcinogenicity
IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
Reproductive toxicity
no data available
Specific target organ toxicity - single exposure

Inhalation - May cause respiratory irritation.
Specific target organ toxicity - repeated exposure
no data available
Aspiration hazard
no data available
Potential health effects
Inhalation
Ingestion
Skin
Eyes
May be harmful if inhaled. Causes respiratory tract irritation.
May be harmful if swallowed.
May be harmful if absorbed through skin. Causes skin irritation.
Causes serious eye irritation.
Signs and Symptoms of Exposure
sore throat, Abdominal pain, Vomiting, Nausea, To the best of our knowledge, the chemical, physical, and
toxicological properties have not been thoroughly investigated.
Additional Information
RTECS: Not available

---

## SECTION 12. ECOLOGICAL INFORMATION

Toxicity
no data available
Persistence and degradability
no data available
Bioaccumulative potential
no data available
Mobility in soil
no data available
PBT and vPvB assessment
no data available
Other adverse effects
no data available

---

## SECTION 13. DISPOSAL CONSIDERATIONS

Product
Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional
waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent
and burn in a chemical incinerator equipped with an afterburner and scrubber.
Contaminated packaging
Dispose of as unused product.

---

## SECTION 14. TRANSPORT INFORMATION

ADR/RID

Not dangerous goods
IMDG
Not dangerous goods
IATA
Not dangerous goods

## SECTION 15. REGULATORY INFORMATION

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

## SECTION 16. OTHER INFORMATION

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH). 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. American Elements shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale. COPYRIGHT 1997-2022 AMERICAN ELEMENTS. LICENSED GRANTED TO MAKE UNLIMITED PAPER COPIES FOR INTERNAL USE ONLY.