

# SAFETY DATA SHEET

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## SECTION 1. IDENTIFICATION

**Product Identifier:** (3N) 99.9% Tetraamminepalladium(II) Acetate

**Product Code:** TAMPD2-AC-03-C

**CAS Number:** 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.

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### **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

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### **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.

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### **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.

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## **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.

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## **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.

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## **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.

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## **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

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## **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 (NO<sub>x</sub>)

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## **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

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## **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

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## **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.

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## **SECTION 14. TRANSPORT INFORMATION**

ADR/RID

Not dangerous goods

IMDG

Not dangerous goods

IATA  
Not dangerous goods

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## **SECTION 15. REGULATORY INFORMATION**

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

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## **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.