

<a href="#">Tetraamminepalladium(II) Acetate</a>		<a href="#">Pricing &gt;</a>
Linear Formula	$\text{Pd}(\text{NH}_3)_4(\text{CH}_3\text{CO}_2)_2$	
Pubchem CID	6454208	
MDL Number	MFCD00274619	
EC No.	262-819-1	
IUPAC Name	azane; palladium(2+); diacetate	
SMILES	<chem>CC(=O)[O-].CC(=O)[O-].N.N.N.N.[Pd+2]</chem>	
Inchl Identifier	InChI=1S/2C2H4O2.4H3N.Pd/c2*1-2(3)4;;;;/h2*1H3,(H,3,4);4*1H3;q;;;;;+2/p-2	
Inchl Key	WSHXNSFLJBGEA-UHFFFAOYSA-L	
Signal Word	Warning	
Hazard Statements	H315-H319-H335	
Hazard Codes	Xi	
Precautionary Statements	P261-P305 + P351 + P338	
Risk Codes	R36/37/38	
Safety Statements	N/A	
Transport Information	NONH for all modes of transport	
WGK Germany	3	

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## SAFETY DATA SHEET

Date Accessed: 04/27/2024

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### SECTION 1. IDENTIFICATION

**Product Identifiers:** All applicable American Elements product codes for 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:  
Domestic, North America +1 800-424-9300  
International +1 703-527-3887

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## 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-phrases(s)  
R36/37/38  
S-phrases(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

C<sub>4</sub>H<sub>18</sub>N<sub>4</sub>O<sub>4</sub>Pd

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

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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.

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