


# MATERIAL SAFETY DATA SHEET

## Palladium (II) Acetate Trimer

<b>NFPA</b> 	<b>HMIS</b> <table border="1"><tr><td>HEALTH</td><td style="text-align: center;">2</td></tr><tr><td>FLAMMABILITY</td><td style="text-align: center;">0</td></tr><tr><td>REACTIVITY</td><td style="text-align: center;">0</td></tr><tr><td>PERSONAL PROTECTION</td><td style="text-align: center;">J</td></tr></table>	HEALTH	2	FLAMMABILITY	0	REACTIVITY	0	PERSONAL PROTECTION	J
HEALTH	2								
FLAMMABILITY	0								
REACTIVITY	0								
PERSONAL PROTECTION	J								

### 1. Product And Company Identification

**Supplier**

Colonial Metals, Inc.  
Building 20  
505 Blue Ball Road  
Elkton, MD 21921 United States

**Company Contact:** Joseph Fittos III  
**Telephone Number:** 410-398-7200  
**FAX Number:** 410-398-2918  
**E-Mail:** jfittos@colonialmetals.com  
**Web Site:** colonialmetals.com

**Manufacturer**

Colonial Metals, Inc.  
Building 20  
505 Blue Ball Road  
Elkton, MD 21921 United States

**Company Contact:** Joseph Fittos III  
**Telephone Number:** 410-398-7200  
**FAX Number:** 410-398-2918  
**E-Mail:** jfittos@colonialmetals.com  
**Web Site:** colonialmetals.com

**Supplier Emergency Contacts & Phone Number**

**Chemtrac:** 800-424-9300  
**World Wide - Call COLLECT to U.S:** 703-527-3887

**Manufacturer Emergency Contacts & Phone Number**

**Chemtrac:** 800-424-9300  
**World Wide - Call COLLECT to U.S:** 703-527-3887

**Issue Date:** 04/21/2009

**Product Name:** Palladium (II) Acetate Trimer  
**Chemical Name:** Palladeous Acetate  
**CAS Number:** 3375-31-3  
**Chemical Family:** Platinum Group Metal Salts  
**Chemical Formula:** C<sub>4</sub>H<sub>6</sub>O<sub>4</sub>Pd  
**MSDS Number:** 5009  
**Product Code:** 5009

**Synonyms**

Palladium Diacetate, Bisacetylplatinum, Palladous Acetate.

### 2. Composition/Information On Ingredients

Ingredient Name	CAS Number	Percent Of Total Weight
Palladium (II) Acetate Trimer	3375-31-3	99

### EMERGENCY OVERVIEW

**Irritant.**

# MATERIAL SAFETY DATA SHEET

## Palladium (II) Acetate Trimer

### Hazards Identification (Pictograms)



### 3. Hazards Identification

#### Primary Routes(s) Of Entry

Eyes: Likely  
Inhalation: Likely  
Skin: Likely  
Ingestion: Likely

#### Eye Hazards

Irritation.

#### Skin Hazards

Irritation. May be harmful if absorbed through the skin.

#### Ingestion Hazards

May be harmful if swallowed.

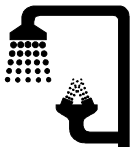
#### Inhalation Hazards

Causes respiratory tract irritation. May be harmful if inhaled.

#### Conditions Aggravated By Exposure

May cause irritation of the respiratory system. Maintain housekeeping and personal hygiene to minimize exposure and prevent sensitization.

### First Aid (Pictograms)



### 4. First Aid Measures

#### Eye

Flush for 15 minutes with plenty of water. If discomfort occurs or persists, contact a physician immediately.

#### Skin

Wash with soap and copious amounts of water. If discomfort occurs or persists, contact a physician immediately. Remove contaminated clothing and shoes and wash before reuse.

#### Ingestion

If swallowed, wash out mouth with water provided victim is conscious. Never give anything by mouth to an unconscious person. Contact a physician immediately.

#### Inhalation

Remove to fresh air immediately. If victim is not breathing perform artificial respiration. Contact a physician immediately.

# MATERIAL SAFETY DATA SHEET

## Palladium (II) Acetate Trimer

### Fire Fighting (Pictograms)



### 5. Fire Fighting Measures

**Flash Point:** NA °C

**Autoignition Point:** NA °C

**Flammability Class:** NA

#### Fire And Explosion Hazards

Use proper safety equipment. Can decompose to emit toxic carbon monoxide and carbon dioxide.

#### Extinguishing Media

Water spray, alcohol-resistant foam, dry chemical, carbon dioxide.

#### Fire Fighting Instructions

Use NIOSH/MSHA approved self-contained breathing apparatus and full protective clothing.

General Information: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Vapors may be heavier than air. They can spread along the ground and collect in low or confined areas.

### 6. Accidental Release Measures

Clean up spills immediately, observing precautions in the Protective Equipment section. Sweep up, then place into a suitable container for disposal. Avoid generating dusty conditions. Provide ventilation.

### Handling & Storage (Pictograms)



### 7. Handling And Storage

#### Handling Precautions

Avoid formation of dust and aerosols. Provide adequate ventilation. Use appropriate personal protective equipment.

#### Storage Precautions

Keep in a tightly sealed container in a cool, dry well ventilated place.

#### Work/Hygienic Practices

Use good personal hygiene. Wash thoroughly with soap and water after handling.

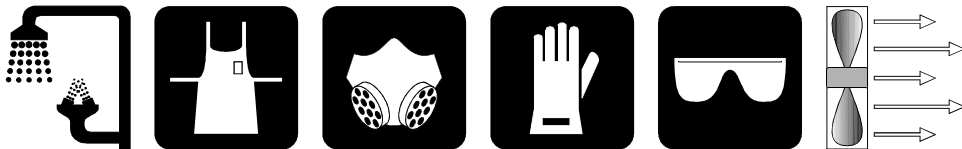
#### Other Precautions

0.01 mg/m<sup>2</sup> high efficiency particular respirator/supplied air respirator/self-contained breathing apparatus; 0.2 mg/m<sup>2</sup> same as above with full face piece; 1 mg/m<sup>3</sup> powdered air purifying respirator with high efficiency filter/type C supplied air respirator operated in pressure demand mode. Store in a sealed container, plastic or plastic liner, in a cool, well ventilated, dry area away from volatile acids.

# MATERIAL SAFETY DATA SHEET

## Palladium (II) Acetate Trimer

### Protective Clothing (Pictograms)



### 8. Exposure Controls/Personal Protection

#### Engineering Controls

Ventilation: Local Exhaust: Required in handling area  
Mechanical: Desirable to insure concentration of material below TLV/TWA levels  
Other: Yes

Safety shower and eyewash

#### Eye/Face Protection

ANSI approved safety glasses/goggles

#### Skin Protection

Rubber/Neoprene (use compatible chemical-resistant gloves).

#### Respiratory Protection

NIOSH approved chemical cartridge respirator for dust/mist/fume/radionuclide and acid gas, or self-contained breathing apparatus with full face shield.

#### Other/General Protection

Lab coat/apron, flame and chemical resistant protective clothing, eye wash, safety shower, and hygiene facilities for washing.

### 9. Physical And Chemical Properties

#### Appearance

Brown crystal or powder

#### Odor

Odor of acetic acid

**Chemical Type:** Mixture

**Physical State:** Solid

**Melting Point:** 421.3-434.7 °F 216.3-223.7 °C

**Molecular Weight:** 224.49

**pH Factor:** 2.0-3.0

**Solubility:** Slightly Soluble

### 10. Stability And Reactivity

**Stability:** Stable

**Hazardous Polymerization:** Will not occur

#### Incompatible Materials

Strong oxidizing agents.

#### Hazardous Decomposition Products

Carbon oxides.

#### Conditions To Avoid (Polymerization)

# MATERIAL SAFETY DATA SHEET

## Palladium (II) Acetate Trimer

### 11. Toxicological Information

#### Acute Studies

LD50

Oral

Mouse

2100 mg/kg

Remarks: Behavioral: Somnolence (general depressed activity).

Lungs, thorax or respiration: Dyspnea.

Gastrointestinal: Ulceration or bleeding from stomach

#### Eye Effects

Rabbit

Severe eye irritation

#### Skin Effects

Rabbit

Mild skin irritation

To the best of our knowledge the chemical, physical and toxicological affects of this compound have not been thoroughly investigated.

### 12. Ecological Information

No Data Available...

### 13. Disposal Considerations

Place in a sealed container. Consult Federal EPA, State and local regulations for proper disposal/recycle/reclamation

NOTE: Chemical additions, processing, or otherwise altering this material may make the waste management information presented above incomplete, inaccurate, or otherwise inappropriate.

### 14. Transport Information

#### Proper Shipping Name

Considered non-hazardous for transport

#### Additional Shipping Paper Description

IATA: Same as DOT 49 CFR, Non-Hazardous for shipping. Consult IATA regulations before shipping.

### 15. Regulatory Information

#### U.S. Regulatory Information

TSCA

CAS# 3375-31-3 is listed on the TSCA inventory.

#### Canadian Regulatory Information

CAS# 3375-31-3 is listed on Canada's NDSL List.

WHMIS: Not available.

CAS# 3375-31-3 is not listed on Canada's Ingredient Disclosure List.

#### European Union (EU) Regulatory Information

Hazard Symbols: Xi

Hazard Indication: Irritant

R: 41

Risk of serious damage to eyes

S: 26-39

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear eye/face protection.

# MATERIAL SAFETY DATA SHEET

## Palladium (II) Acetate Trimer

### DSCL - Europe (Pictograms)



### 16. Other Information

#### NFPA Rating

Health: 2

Fire: 0

Reactivity: 0

#### HMIS Rating

Health: 2

Fire: 0

Reactivity: 0

Personal Protection: J

#### Revision/Preparer Information

MSDS Preparer: Joseph J. Fittos III

MSDS Preparer Phone Number: 410-398-7200

This MSDS Supersedes A Previous MSDS Dated: 03/15/1998

### Disclaimer

In compliance with the OSHA Hazard Communication Standard, 29 C.F.R 1910.1200, we are providing you with a Materials Safety Data Sheet (MSDS) for the hazardous material you are purchasing.

It is your responsibility to educate your employees on the safe use of the hazardous material. With this in mind, a copy should be forwarded to the supervisor of the user or to the user themselves, and copy should be retained in your files for future reference.

Colonial Metals, Inc. makes no presentation as to the accuracy of the information in the MSDS. The information is believed to be correct; however, you (the customer), should perform your own investigation and independent verification. If you resell the product, you are responsible to forward the information in the MSDS to your customer.

Colonial Metals, Inc.

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