Palladium (II) Acetate Trimer

1. Product And Company Identification

Supplier
DF Goldsmith Chemical and Metal
909 Pitner Avenue
Evanston, IL 60202, USA

Telephone Number: 847-869-7800
FAX Number: 847-869-2531
E-mail: goldchem@aol.com
Web Site: www.dfgoldsmith.com

Supplier Emergency Contacts & Phone Number
Chemtrac: 800-424-9300

Manufacturer
DF Goldsmith Chemical and Metal
909 Pitner Avenue
Evanston, IL 60202, USA

Telephone Number: 847-869-7800
FAX Number: 847-869-2531
E-mail: goldchem@aol.com
Web Site: www.dfgoldsmith.com

Supplier Emergency Contacts & Phone Number
Chemtrac: 800-424-9300

Issue Date: 04/21/2009
Product Name: Palladium (II) Acetate Trimer
Chemical Name: Palladous Acetate
CAS Number: 3375-31-3
Chemical Family: Platinum Group Metal Salts
Chemical Formula: C4H6O4Pd
MSDS Number: 46-022
Product Code: 46-022

Synonyms
Palladium Diacetate, Bisacetyl palladium, Palladous Acetate.

2. Composition/Information On Ingredients

<table>
<thead>
<tr>
<th>Ingredient Name</th>
<th>CAS Number</th>
<th>Percent Of Total Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Palladium (II) Acetate Trimer</td>
<td>3375-31-3</td>
<td>99</td>
</tr>
</tbody>
</table>

EMERGENCY OVERVIEW

Irritant.

Hazard Identification (Pictograms)

![Irritant Icon]
### 3. Hazards Identification

**Primary Routes(s) Of Entry**
- **Eye:** 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.

### 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.
5. Fire Fighting Measures

<table>
<thead>
<tr>
<th>Flash Point:</th>
<th>NA °C</th>
</tr>
</thead>
<tbody>
<tr>
<td>Autoignition Point:</td>
<td>NA °C</td>
</tr>
<tr>
<td>Flammability Class:</td>
<td>NA</td>
</tr>
</tbody>
</table>

**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/m² high efficiency particular respirator/supplied air respirator/self-contained breathing apparatus; 0.2 mg/m² same as above with full face piece; 1 mg/m³ 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.

**Protective Clothing (Pictograms)**

8. Exposure Controls/Personal Protection
Engineering Controls
- **Ventilation:** Required in handling area
- **Local Exhaust:** Desirable to insure concentration of material below TLV/TWA levels
- **Mechanical:** Yes
- **Other:** Ye s
- 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)
11. Toxicological Information

**Acute Studies**

- **LD50**
  - Oral Mouse
  - 2100 mg/kg
    - 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

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.
15. Regulatory Information (cont)

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.

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: DF Goldsmith Chemical and Metal
- MSDS Preparer Phone Number: 847-869-7800
- This MSDS Supercedes 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.

DF Goldsmith Chemical and Metal 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.