


# MATERIAL SAFETY DATA SHEET

## Rhodium (II) Acetate Dimer

<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;">C</td></tr></table>	HEALTH	2	FLAMMABILITY	0	REACTIVITY	0	PERSONAL PROTECTION	C
HEALTH	2								
FLAMMABILITY	0								
REACTIVITY	0								
PERSONAL PROTECTION	C								

<b>1. Product And Company Identification</b>	
<b>Supplier</b> Colonial Metals, Inc. Building 20 505 Blue Ball Road Elkton, MD 21921 United States  <b>Company Contact:</b> Michael Doss - Dir. of Regulatory Affairs <b>Telephone Number:</b> 410-398-7200 <b>FAX Number:</b> 410-398-2918 <b>E-Mail:</b> mdoss@colonialmetals.com <b>Web Site:</b> www.colonialmetals.com	<b>Manufacturer</b> Colonial Metals, Inc. Building 20 505 Blue Ball Road Elkton, MD 21921 United States  <b>Company Contact:</b> Michael Doss - Dir. of Regulatory Affairs <b>Telephone Number:</b> 410-398-7200 <b>FAX Number:</b> 410-398-2918 <b>E-Mail:</b> mdoss@colonialmetals.com <b>Web Site:</b> www.colonialmetals.com
<b>Supplier Emergency Contacts &amp; Phone Number</b> Chemtrac: 800-424-9300 World Wide - Call COLLECT to U.S: 703-527-3887	<b>Manufacturer Emergency Contacts &amp; Phone Number</b> Chemtrac: 800-424-9300 World Wide - Call COLLECT to U.S: 703-527-3887
<b>Issue Date:</b> 08/03/2004  <b>Product Name:</b> Rhodium (II) Acetate Dimer <b>Chemical Name:</b> Dirhodium Tetraacetate; Rhodium Acetate, Dimer <b>CAS Number:</b> 15956-28-2 <b>Chemical Family:</b> Metal Acetate Salt <b>Chemical Formula:</b> [Rh(O <sub>2</sub> CCH <sub>3</sub> ) <sub>2</sub> ] <sub>2</sub> <b>MSDS Number:</b> 7016 <b>Product Code:</b> 7016	

<b>2. Composition/Information On Ingredients</b>			
Ingredient Name	CAS Number	Percent Of Total Weight	
Dirhodium Tetraacetate	15956-28-2	99	

**EMERGENCY OVERVIEW**

To the best of our knowledge the chemical, physical, and toxicological properties have not been thoroughly investigated. Product incompatible with oxidizing agents and active metals. Can decompose carbon dioxide and carbon monoxide, organic vapors, metal oxides and carbonates.

<b>3. Hazards Identification</b>	
<b>Primary Routes(s) Of Entry</b>	
Eye:	Likely
Inhalation:	Likely
Skin:	Likely
Ingestion:	Likely

# MATERIAL SAFETY DATA SHEET

## Rhodium (II) Acetate Dimer

### 3. Hazards Identification - Continued

#### Eye Hazards

Irritation with slight to mild exposure

#### Skin Hazards

Irritation to mild exposure

#### Ingestion Hazards

No Information on the Physiological Effect

#### Inhalation Hazards

May be irritating to the nose, mucous membranes and the respiratory tract.

#### Conditions Aggravated By Exposure

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

#### Conditions Aggravated By Overexposure

To the best of our knowledge, the chemical, and toxicological properties have not been thoroughly investigated.

### 4. First Aid Measures

#### Eye

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

#### Skin

Flush area for 15 minutes with water and wash with soap and water. If discomfort occurs or persists, contact a physician. Remove contaminated clothing and shoes and wash before reuse.

#### Ingestion

Not expected to be a problem in industry. However if swallowed and discomfort occurs, contact a physician.

#### Inhalation

Remove to fresh air immediately. If discomfort occurs or persists, contact a physician.

### 5. Fire Fighting Measures

**Flash Point Method:** NA

**Lower Explosive Limit:** NE

**Upper Explosive Limit:** NE

#### Fire And Explosion Hazards

Use proper safety equipment; No unusual fire or explosion hazard.

#### Extinguishing Media

Carbon dioxide or appropriate foam

#### Fire Fighting Instructions

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

### 6. Accidental Release Measures

Small spills can be mixed with vermiculite or sodium carbonate and swept up. Person protected with full face shield and NIOSH approved respirator and cartridge.

### 7. Handling And Storage

#### Handling And Storage Precautions

Avoid contact with eyes, prolonged or repeated contact with skin. Avoid breathing dust. Use compatible chemical-resistant gloves. Wear respirators, NIOSH approved (see section Person Protection), chemical safety goggles and rubber boots. Wash hands thoroughly after handling.

# MATERIAL SAFETY DATA SHEET

## Rhodium (II) Acetate Dimer

### 7. Handling And Storage - Continued

#### Other Precautions

0.01 ppm high efficiency particular respirator/supplied air respirator/self-contained breathing apparatus; 0.2 ppm same as above with full face piece; 1 ppm 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.

### 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: Closed Ventilation System (Laboratory Fume Hood)

#### Eye/Face Protection

ANSI approved safety glasses/goggles

#### Skin Protection

Rubber/Neoprene (use compatible chemical-resistant gloves)

#### Respiratory Protection

NIOSH approved chemical cartridge respiratory for particulates and dust 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

Greenish-Black crystalline solide

#### Odor

No odor

**Chemical Type:** Mixture

**Physical State:** Solid

**Melting Point:** NA °C

**Boiling Point:** NA °C

**Specific Gravity:** NA

**Molecular Weight:** 442

**Vapor Pressure:** NA

**Vapor Density:** NA

**pH Factor:** NA

**Solubility:** Insoluble

**Evaporation Rate:** NA

### 10. Stability And Reactivity

**Stability:** Stable

**Hazardous Polymerization:** Will not occur

#### Conditions To Avoid (Stability)

None

#### Incompatible Materials

Oxidizing agents and active metals

# MATERIAL SAFETY DATA SHEET

## Rhodium (II) Acetate Dimer

### 10. Stability And Reactivity - Continued

#### **Hazardous Decomposition Products**

Carbon dioxide and carbon monoxide, organic vapors, metal oxides and carbonates.

### 11. Toxicological Information

IPR-MUS LD 50: 34 mg/kg

### 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.

#### **RCRA Information**

NL

### 14. Transport Information

No Data Available...

### 15. Regulatory Information

#### **European Union (EU) Regulatory Information**

Caution: Substance not yet fully tested

Irritant

R 36/37/38 26

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S 37/39

Wear suitable gloves and eye/face protection.

### 16. Other Information

#### **NFPA Rating**

Health: 2

Fire: 0

Reactivity: 0

#### **HMIS Rating**

Health: 2

Fire: 0

Reactivity: 0

Personal Protection: C

#### **Revision/Preparer Information**

MSDS Preparer: Wayne Sher

MSDS Preparer Phone Number: 410-398-7200

This MSDS Supersedes A Previous MSDS Dated: 08/25/2003

### 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

# **MATERIAL SAFETY DATA SHEET**

## **Rhodium (II) Acetate Dimer**

### **Disclaimer - Continued**

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.

Printed Using MSDS Generator™ 2000