



# SAFETY DATA SHEET

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## SECTION 1 PRODUCT AND COMPANY INFORMATION

**PRODUCT NAME:** Rhodium (II) acetate dimer  
**PRODUCT NO:** 3003  
**CAS NO:** 15956-28-2  
**SYNONYMS:** Dirhodium tetraacetate, Tetrakis(aceto)dirhodium(II), Rhodium diacetate dimer, Tetrakis-(mu-aceto) dirhodium

### MANUFACTURER:

Prochem, Inc.  
826 Roosevelt Road  
Rockford, IL 61109

**PHONE:** 815-398-1788  
**FAX:** 815-398-1810  
**TOLL FREE:** 800-795-8788

**IN CASE OF TRANSPORTATION EMERGENCY CONTACT CHEM-TREC: 1-800-424-9300**

## SECTION 2 HAZARDS IDENTIFICATION

### CLASSIFICATION OF SUBSTANCE OR MIXTURE

Not a dangerous substance according to the GHS

### HMIS CLASSIFICATION:

Health: 0 Flammability: 0 Reactivity: 0

### NFPA RATING:

Health: 0 Fire: 0 Reactivity Hazard: 0

**EYE CONTACT:** Causes mild irritation of the eyes.

**SKIN CONTACT:** Causes slight irritation of the skin.

**INHALATION:** Inhalation of dust may lead to irritation of the respiratory tract.

**INGESTION:** No information is available on the physiological effects of ingestion. May be harmful if swallowed.

## SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

Formula:  $\text{Rh}_2(\text{O}_2\text{CCH}_3)_4$

Molecular Weight: 441.99

CHEMICAL NAME	CAS#	%	ACGIH (TWA)	OSHA (PEL)
Rhodium (II) acetate dimer	15956-28-2	100	0.01 mg/m <sup>3</sup> (as Rh soluble)	0.01 mg/m <sup>3</sup> (as Rh soluble)

## SECTION 4 FIRST AID MEASURES

**EYE EXPOSURE:** Immediately flush the eyes with copious amounts of water for at least 10-15 minutes. A victim may need assistance in keeping their eyelids open. Get immediate medical attention.

## SECTION 4 FIRST AID MEASURES (Cont.)

**SKIN EXPOSURE:** Wash the affected area with water. Remove contaminated clothes if necessary. Seek medical assistance if irritation persists.

**INHALATION:** Remove the victim to fresh air. Closely monitor the victim for signs of respiratory problems, such as difficulty in breathing, coughing, wheezing, or pain. In such cases, seek immediate medical assistance.

**INGESTION:** Seek medical attention immediately. Keep the victim calm. Give the victim water (only if conscious).

## SECTION 5 FIREFIGHTING MEASURES

**FLASH POINT:** Not applicable

**AUTO IGNITION TEMPERATURE:** None

**EXPLOSION LIMITS:** None

**EXTINGUISHING MEDIUM:** Carbon dioxide, extinguishing powder, or water spray.

**SPECIAL FIRE FIGHTING PROCEDURES:** If involved in a fire, fire fighters should be equipped with a NIOSH approved positive pressure self-contained breathing apparatus and full protective clothing.

**HAZARDOUS COMBUSTION AND DECOMPOSITION PRODUCTS:** If involved in a fire, this material may emit toxic organic fumes.

## SECTION 6 ACCIDENTAL RELEASE MEASURES

**PERSONAL PRECAUTIONS:** Wear protective equipment. Avoid dust formation. Ensure adequate ventilation.

**ENVIRONMENTAL PRECAUTIONS:** Do not let product enter drains or be released into the environment.

**METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP:** Small spills can be mixed with vermiculite or sodium carbonate and swept up.

## SECTION 7 HANDLING AND STORAGE

**PRECAUTIONS FOR SAFE HANDLING:** Wear approved personal protective equipment. Provide appropriate exhaust ventilation.

**CONDITIONS FOR SAFE STORAGE:** Store in a sealed container. Keep away from heat and moisture.

## SECTION 8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

**EYE PROTECTION:** Always wear approved safety glasses with side shields, safety goggles, or face shield when handling a chemical substance in the laboratory.

**SKIN PROTECTION:** Chemical resistant gloves.

**VENTILATION:** If possible, handle the material in an efficient fume hood.

**RESPIRATOR:** If in form of fine dust and ventilation is not available a respirator should be worn. The use of respirators requires a Respirator Protection Program to be in compliance with 29 CFR 19-10.134.

## SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

**COLOR AND FORM:** Greenish-black solid

**MELTING POINT:** 205° C

**BOILING POINT:** No data available

**MOLECULAR WEIGHT:** 441.99

**ODOR:** Odorless

**SPECIFIC GRAVITY:** 1.126 gm/ml

**VAPOR PRESSURE:** No data available

## SECTION 10 STABILITY AND REACTIVITY

**STABILITY:** Stable

**HAZARDOUS POLYMERIZATION:** No hazardous polymerization

## SECTION 10 STABILITY AND REACTIVITY (Cont.)

**CONDITIONS TO AVOID:** No data available

**INCOMPATIBILITY:** Oxidizing agents and active metals

**DECOMPOSITION PRODUCTS:** Carbon dioxide, carbon monoxide, organic vapors, and metal oxides.

## SECTION 11 TOXICOLOGICAL DATA

**RTECS DATA:** Intraperitoneal (mouse); LD10: 115 mg/kg.

**CARCINOGENIC EFFECTS:** No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen.

**MUTAGENIC EFFECTS:** No data

**TETRATOGENIC EFFECTS:** No data

To the best of our knowledge the toxicological effects of this compound have not been fully investigated.

## SECTION 12 ECOLOGICAL DATA

No information available

## SECTION 13 DISPOSAL CONSIDERATIONS

Dispose of in according to local, state, and federal regulations.

## SECTION 14 TRANSPORTATION DATA

Non-hazardous material

## SECTION 15 REGULATORY INFORMATION

**TSCA:** Not listed in the TSCA Inventory

**SARA 302 COMPONENTS:** No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**SARA (TITLE 313):** Title compound not listed

**MASSACHUSETTS RIGHT TO KNOW COMPONENTS:** No components are subject to the Massachusetts Right to Know Act.

**PENNSYLVANIA RIGHT TO KNOW COMPONENTS:** Tetrakis [ $\mu$ -(acetate-O:O')] dirhodium

**NEW JERSEY RIGHT TO KNOW COMPONENTS:** Tetrakis [ $\mu$ -(acetate-O:O')] dirhodium

**CALIFORNIA PROP. 65 COMPONENTS:** This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

## SECTION 16 OTHER INFORMATION

**DISCLAIMER:** The information herein is believed to be accurate and reliable as of the date compiled. However, Prochem, Inc. makes no representation, warranty, or guarantee of any kind with respect to the information in this document or any use of the product based on the information.

DATE PREPARED: 04/14

SDS DEPT.