

MATERIAL SAFETY DATA SHEET

Manufacturer: Strem Chemicals, Inc.
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CHEMTREC (EMERGENCY ONLY): (800) 424-9300
POISON CENTER: (800) 562-8236

SECTION 1 Product Identification

CHEMICAL NAME: Platinum (II) acetylacetonate,98%
PRODUCT NUMBER: 78-1400
CAS REGISTRY NUMBER: 15170-57-7
FORMULA: Pt(CH₃COCHCOCH₃)₂
EINECS NUMBER: 239-223-5
CHEMICAL FAMILY: metal beta-diketonate complexes
SYNONYM: Platinum diacetylacetonate, Bis(2,4-pentanedionato-O,O')platinum

SECTION 2 Composition and Information on Ingredients

| INGREDIENT: | CAS# | % | ACGIH (TWA) | OSHA (PEL) |
|----------------|------------|-----|----------------------------|------------|
| Title Compound | 15170-57-7 | 100 | 1mg/m ³ (as-Pt) | no data |

SECTION 3 Hazards Identification

EMERGENCY OVERVIEW: Irritating to skin, eyes and respiratory tract. Exposure to platinum compounds has been shown to cause wheezing, coughing, and running of the nose. Skin contact can lead to dermatitis.

PRIMARY ROUTES OF EXPOSURE: Ingestion, inhalation, skin

EYE CONTACT: Causes mild to moderate irritation of the eyes.

SKIN CONTACT: Causes slight to mild irritation of the skin.

INHALATION: Inhalation of the dust causes irritation of the nose, mucous membranes and respiratory tract, wheezing, coughing, shortness of breath.

INGESTION: Ingestion may lead to dizziness, abdominal cramps, vomiting, bloody diarrhea, weakness, and convulsions.

ACUTE HEALTH EFFECTS: Irritating to skin, eyes and respiratory tract. Exposure to platinum compounds may lead to wheezing, coughing, and running of the nose. Skin exposure may lead to dermatitis.

CHRONIC HEALTH EFFECTS: No information available on long-term chronic effects.

NTP: No **IARC:** No **OSHA:** No

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 eye lids open. Get immediate medical attention.

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). Induce vomiting only if directed by medical personnel.

SECTION 5 Fire Fighting Measures

FLASH POINT: not applicable

AUTOIGNITION TEMPERATURE: none

EXPLOSION LIMITS: none

EXTINGUISHING MEDIUM: carbon dioxide, foam or dry powder

SPECIAL FIRE FIGHTING PROCEDURES: If this product is 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 fumes.

UNUSUAL FIRE OR EXPLOSION HAZARDS: No unusual fire or explosion hazards.

SECTION 6 Accidental Release Measures

SPILL AND LEAK PROCEDURES: Small spills can be mixed with vermiculite, sodium carbonate or other suitable non combustible adsorbent and swept up.

SECTION 7 Handling and Storage

HANDLING AND STORAGE: Store in a cool, dry place in a tightly sealed container.

SECTION 8 Exposure Controls and Personal Protection

EYE PROTECTION: Always wear approved safety glasses when handling a chemical substance in the laboratory.

SKIN PROTECTION: Wear protective clothing and gloves.

VENTILATION: To minimize exposure, handle the material in an efficient fume hood.

RESPIRATOR: If 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 1910.134.

ADDITIONAL PROTECTION: No additional protection required.

SECTION 9 Physical and Chemical Properties

COLOR AND FORM: pale yellow xtl.

MOLECULAR WEIGHT: 393.31

MELTING POINT (°C): none

BOILING POINT (°C): no data

VAPOR PRESSURE: no data

SPECIFIC GRAVITY: no data

ODOR: none

SOLUBILITY IN WATER: insoluble

SECTION 10 Stability and Reactivity

STABILITY: air and moisture stable

HAZARDOUS POLYMERIZATION: no hazardous polymerization

CONDITIONS TO AVOID: none

INCOMPATIBILITY: oxidizing agents, halogens, and active metals

DECOMPOSITION PRODUCTS: carbon monoxide, carbon dioxide, organic fumes, and platinum salts.

SECTION 11 Toxicological Information

RTECS DATA: No information available in the RTECS files.

CARCINOGENIC EFFECTS: No data

MUTAGENIC EFFECTS: No data

TETRATOGENIC EFFECTS: No data

SECTION 12 Ecological Information

ECOLOGICAL INFORMATION: No information available

SECTION 13 Disposal Considerations

DISPOSAL: Dispose of according to local, state and federal regulations.

SECTION 14 Transportation Information

SHIPPING NAME (CFR): Non-hazardous

HAZARD CLASS (CFR): NA

ADDITIONAL HAZARD CLASS (CFR): NA

PACKING GROUP (CFR): NA

UN ID NUMBER (CFR): NA

SHIPPING NAME (IATA): Non-hazardous

HAZARD CLASS (IATA): NA

ADDITIONAL HAZARD CLASS (IATA): NA

PACKING GROUP (IATA): NA

UN ID NUMBER (IATA): NA

SECTION 15 Regulatory Information

TSCA: Listed in the TSCA inventory.

SARA (TITLE 313): Not regulated by Title 313.

SECOND INGREDIENT: None

THIRD INGREDIENT: None

SECTION 16 Other Information

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

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