## SECTION 1: Product Identification

| | |
|---|---|
| Chemical Name: | Platinum (II) chloride (99.9%-Pt) |
| Product Number: | 220 |
| CAS Registry Number: | 10025-65-7 |
| Formula: | PtCl2 |
| EINECS Number: | 233-034-1 |
| Chemical Family: | metal halide |
| Synonym: | Platinous chloride |

## SECTION 2: Composition and Information on Ingredients

| Ingredient | CAS Number | Percent | ACGIH (TWA) | OSHA (PEL) |
|---|---|---|---|---|
| Title Compound | 10025-65-7 | 100 | no data | no data |

## SECTION 3: Hazards Identification

| | |
|---|---|
| Emergency Overview: | Corrosive to skin, eyes and respiratory tract. Causes burns. May cause sensitization by skin contact and inhalation. |
| Primary Routes of Exposure: | Ingestion, skin, inhalation of dust |
| Eye Contact: | Causes chemical burns to the eyes. |
| Skin Contact: | Causes severe irritation and chemical burns to the skin and dermatitis. Contact through a break in the skin can induce an allergic reaction. |
| Inhalation: | Inhalation of dust may cause wheezing, coughing, shortness of breath and asthma like symptoms, typical of allergy. |
| Ingestion: | Ingestion may lead to dizziness, abdominal cramps, and vomiting. |
| Acute Health Effects: | Corrosive to skin, eyes and respiratory tract. Upon repeated exposure certain persons may develop an allergic reaction to chloroplatinates, causing wheezing, coughing, shortness of breath and runny |
| Chronic Health Effects: | The chloroplatinate allergic reaction known as platinosis ceases when exposure is terminated. No permanent long term effects are reported. |
| NTP: | No |

| | |
|---|---|
| IARC: | No |
| OSHA: | No |

## SECTION 4: First Aid Measures

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| 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: | none required |
| 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 Decomposion Products: | none |
| Unusual Fire or Explosion Hazards: | No unusual fire or explosion hazards. |

## SECTION 6: Accidental Release Measures

| | |
|---|---|
| Spill and Leak Procedures: | To avoid raising dust, small spills may be mixed with diatomaceous earth, sand, vermiculite or other suitable inert material and swept up. |

## SECTION 7: Handling and Storage

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|---|---|
| Handling and Storage: | Store solid in a tightly sealed container. |

## SECTION 8: Exposure Controls and Personal Protection

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|---|---|
| Eye Protection: | Always wear approved safety glasses when handling a chemical substance in the laboratory. |
| Skin Protection: | Wear appropriate chemical resistant gloves and protective clothing. |
| 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 1910.134. |
| Additional Protection: | No additional protection required. |

## SECTION 9: Physical and Chemical Properties

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|---|---|
| Color and Form: | olive-brown pwdr. |
| Molecular Weight: | 266 |
| Melting Point: | 581°C dec. |
| Boiling Point: | no data |
| Vapor Pressure: | no data |
| Specific Gravity: | 6.05 |
| 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 and active metals |
| Decomposition Products: | none |

## SECTION 11: Toxicological Information

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|---|---|
| RTECS Data: | Administration onto the skin (rabbit); Standard Draize test: 100 mg/24H. Oral (rat); LD50: 3423 mg/kg. Intraperitoneal (rat); LD50: >239 mg/kg. Unreported (rat); LD40: 26 mg/kg. Unreported (dog); LDLo: 156 mg/kg. Bacteria-Escherichia coli; Phage inhibition capacity: 50 umol/L. Human Lymphocyte; DNA inhibition: 300 umol/L. Hamster embryo; Morphological transformation: 30 umol/L. |
| Carcinogenic Effects: | no data |
| Mutagenic Effects: | Negative 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

| | |
|---|---|
| Shipping Name (CFR): | Corrosive solid, Acidic, Inorganic, N.O.S. |
| Hazard Class (CFR): | 8 |
| Additional Hazard Class (CFR): | NA |
| Packaging Group (CFR): | III |
| UN ID Number (CFR): | UN# 3260 |
| Shipping Name (IATA): | Corrosive solid, Acidic, Inorganic, N.O.S. |
| Hazard Class (IATA): | 8 |
| Additional Hazard Class (IATA): | NA |
| Packaging Group (IATA): | II |

| | |
|---|---|
| UN ID Number (IATA): | UN# 3260 |

## SECTION 15: Regulatory information

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|---|---|
| TSCA: | Listed in the TSCA inventory. |
| SARA (Title 313): | Title compound not listed |
| Second Ingredient: | none |
| Third Ingredient: | none |