SECTION 1  PRODUCT AND COMPANY INFORMATION

PRODUCT NAME:  Platinum (II) Chloride
PRODUCT NUMBER:  2875
CAS NUMBER:  10025-65-7
SYNONYMS:  Platinous chloride
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

Pictogram

Signal Word  Danger

Hazard Statements

H314  Causes severe skin burns and eye damage.
H317  May cause an allergic skin reaction.
H334  May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Precautionary Phrases

P260  Do not breathe dust/fume/gas/mist/vapors/spray.
P272  Contaminated work clothing should not be allowed out of the workplace.
P280  Wear protective gloves/protective clothing/face protection/eye protection.
P285  In case of inadequate ventilation wear respiratory protection.
P301+P330+P331  IF SWALLOWED: Rinse mouth.  Do NOT induce vomiting.
P303+P361+P353  IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing.  Rinse skin with water/shower.
P304+P340  IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305+P351+P338  IF IN EYES: Rinse cautiously with water for several minutes.  Remove contact lenses, if present and easy to do.  Continue rinsing.

HMIS CLASSIFICATION:
Health: 3  Fire: 0  Reactivity Hazard: 0

NFPA RATING:
Health: 3  Flammability: 0  Reactivity Hazard: 0
SECTION 2  HAZARDS IDENTIFICATION (Cont.)

EYE CONTACT: Causes moderate irritation of the eyes.
SKIN CONTACT: Causes moderate irritation 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.
CHRONIC HEALTH EFFECTS: The chloroplatinate allergic reaction known as platinosis ceases when exposure is terminated.

SECTION 3  COMPOSITION / INFORMATION ON INGREDIENTS

Formula: PtCl₂

Molecular Weight: 265.98

<table>
<thead>
<tr>
<th>CHEMICAL NAME</th>
<th>CAS#</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Platinum (II) Chloride</td>
<td>10025-65-7</td>
<td>100</td>
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SECTION 4  FIRST AID MEASURES

EYE EXPOSURE: Immediately flush the eyes with copious amounts of water for at least 15 minutes. Assure flushing under eyelids. A victim may need assistance in keeping their eyelids open. Get immediate competent medical attention.
SKIN EXPOSURE: Wash affected area with plenty of water. Remove contaminated clothes if necessary. Seek medical assistance if irritation persists.
INHALATION: Remove to fresh air and keep at rest. 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 assistance immediately. Keep the victim calm. Give the victim water (only if conscious). Induce vomiting only if directed by medical personnel.

SECTION 5  FIREFIGHTING MEASURES

FLASH POINT: Product is not flammable
AUTO IGNITION TEMPERATURE: Not available
EXPLOSION LIMITS: Not available
EXTINGUISHING MEDIUM: Use fire fighting measures that suit the surrounding fire.

SPECIAL FIRE FIGHTING PROCEDURES: Wear self-contained, approved breathing apparatus and full protective clothing, including eye protection and boots.
HAZARDOUS COMBUSTION AND DECOMPOSITION PRODUCTS: Hydrogen chloride and platinum oxide

SECTION 6  ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS: Wear all appropriate equipment when using this material. Ensure adequate ventilation. Avoid dust formation. Avoid breathing dust.
ENVIRONMENTAL PRECAUTIONS: Prevent spillage from entering drains or allowing to be released into the environment.
METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP: Use neutralizing agent. Sweep up and place in suitable container for proper disposal.

SECTION 7  HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING: Wear appropriate personal protective equipment. Ensure adequate ventilation. Avoid contact with skin and eyes.
CONDITIONS FOR SAFE STORAGE: Store in cool, dry, and well-ventilated area. Store away from strong bases and oxidizing agents.
SECTION 8  EXPOSURE CONTROLS AND PERSONAL PROTECTION

EXPOSURE CONTROLS:

<table>
<thead>
<tr>
<th>Component</th>
<th>Exposure Limits</th>
<th>Basis</th>
<th>Entity</th>
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<tr>
<td>Platinum (II) Chloride</td>
<td>0.002 mg/m³</td>
<td>PEL</td>
<td>OSHA</td>
</tr>
<tr>
<td></td>
<td>0.002 mg/m³</td>
<td>REL</td>
<td>OSHA</td>
</tr>
<tr>
<td></td>
<td>0.002 mg/m³</td>
<td>TLV</td>
<td>ACGIH</td>
</tr>
</tbody>
</table>

TLV: Threshold Limit Value over 8 hours of work. REL: Recommended Exposure Limit
PEL: Permissible Exposure Limit

EYE PROTECTION: Wear chemical safety glasses or goggles and face shield.
SKIN PROTECTION: Wear nitrile or rubber gloves, and a complete suit protecting against chemicals.
VENTILATION: Provide local exhaust, preferably mechanical.
RESPIRATOR: Use an approved respirator.
ADDITIONAL PROTECTION: Provide eyewash stations, quick-drench showers and washing facilities accessible to areas of use and handling.

SECTION 9  PHYSICAL AND CHEMICAL PROPERTIES

COLOR AND FORM: Green to brown powder
ODOR: None
MOLECULAR WEIGHT: 265.98
BOILING POINT: Decomposes
MELTING POINT: 581° C
SPECIFIC GRAVITY: 6.05 gm/ml
VAPOR DENSITY: No data available
SOLUBILITY: Insoluble

SECTION 10  STABILITY AND REACTIVITY

STABILITY: Stable
HAZARDOUS POLYMERIZATION: Will not occur
CONDITIONS TO AVOID: None
INCOMPATIBILITY: Strong oxidizing agents
DECOMPOSITION PRODUCTS: Hydrogen chloride and platinum oxide

SECTION 11  TOXICOLOGICAL DATA

ACUTE TOXICITY: LD50 Oral – rat – 3423 mg/kg
CARCINOGENIC EFFECTS: No components of this product are considered to be a human carcinogen.
MUTAGENIC EFFECTS: Not available
TETRAROTGENIC EFFECTS: Not available
CHRONIC TOXICITY: Not available
RTECS: TP2275000

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 accordance to local, state, and federal regulations.
SECTION 14 TRANSPORTATION DATA

UN3260
Corrosive solid, acidic, inorganic, n.o.s.
(Platinum (II) Chloride
CLASS 8
PG III

Marine Pollutant: No

SECTION 15 REGULATORY INFORMATION

SARA 302/304: Not Listed
SARA 311/312: Acute Health Hazard
SARA (TITLE 313): Not listed
CALIFORNIA PROP. 65: Not Listed

MASSACHUSETTS RIGHT TO KNOW COMPONENTS: Platinum (II) Chloride
NEW JERSEY RIGHT TO KNOW COMPONENTS: Platinum (II) Chloride

PENNSYLVANIA RIGHT TO KNOW COMPONENTS: Platinum (II) Chloride

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: 03/15
SDS DEPT.