Section 1. Product and Company Identification

Product Name: Cisplatin
Product ID: C3374
Chemical Name (Synonyms): Abiplatin; DDP; Platiblastin; cis- Dichlorodi- ammineplatinum
Supplier: LKT Laboratories, Inc
545 Phalen Blvd.
St. Paul, MN 55130 USA
Ph: 651-644-8424 Fax: 651-644-8357
www.lktlabs.com - getinfo@lktlabs.com
Emergency Phone #: 1-800-424-9300

Section 2. Hazards Identification

GHS Classification:
- Acute toxicity, Oral (Category 2), H300
- Serious eye damage (Category 1), H318
- Carcinogenicity (Category 1B), H350

GHS Label elements including precautionary statements

Pictogram:
Signal word: Danger
Hazard and precautionary statements:

Hazard statements:
- H300 - Fatal if swallowed.
- H318 - Causes serious eye damage.
- H350 - May cause cancer.

Precautionary statements:
- P201 - Obtain special instructions before use.
- P202 - Do not handle until all safety precautions have been read and understood.
- P264 - Wash skin thoroughly after handling.
- P270 - Do not eat, drink or smoke when using this product.
- P280 - Wear protective gloves, eye protection and face protection.
- P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
- P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P310 - Immediately call a POISON CENTER or doctor/physician.
- P321 - Specific treatment (see supplemental first aid instructions on this label).
- P330 - Rinse mouth.
- P405 - Store locked up.
- P501 - Dispose of contents/ container to an approved waste disposal plant.

HMIS Classification:
- Health hazard: 4
- Chronic health hazard: *
- Flammability: 0
- Physical hazard: 0

NFPA Rating:
- Health hazard: 3
- Fire hazard: 0
- Reactivity hazard: 0

Potential Health Effects:
- Inhalation - May be harmful if inhaled. May cause respiratory tract irritation.
- Skin - May be harmful if absorbed through skin. May cause skin irritation.
- Eyes - Causes serious eye damage.
Section 3. Composition/Information on Ingredients

<table>
<thead>
<tr>
<th>Substances</th>
<th>Ingredient: Title Compound</th>
<th>Percent: 100</th>
</tr>
</thead>
<tbody>
<tr>
<td>Formula</td>
<td>Cl₂H₂N₂Pt</td>
<td>Formula Wt.</td>
</tr>
<tr>
<td>CAS No.</td>
<td>15663-27-1</td>
<td>EC No.</td>
</tr>
</tbody>
</table>

Section 4. First Aid Measures

General advice
Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

Eye Contact
Flush eyes thoroughly with plenty of water for at least 15 minutes and consult a physician.

Skin Contact
Wash off with soap and plenty of water. Take victim immediately to hospital. Consult a physician.

Inhalation
If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

Ingestion
Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

Section 5. Firefighting Measures

Flash Point
Not available.

Extinguishing Media
Use water spray, alcohol-resistant foam, dry chemical, or carbon dioxide.

Firefighting Procedures
Wear self-contained breathing apparatus for firefighting if necessary.

Unusual Fire Hazards
Nitrogen oxides (NOx), hydrogen chloride gas.

Section 6. Accidental Release Measures

Personal Precautions
Wear respiratory protection. Avoid dust formation. Avoid breathing vapors, mist, or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.

Environmental Precautions
Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

Methods and materials for containment and cleanup
Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

Section 7. Handling and Storage

Handling
Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed.

Storage Conditions
Keep container tightly closed in a dry and well-ventilated place. Recommended storage temperature: +4°C

Hazardous Decomposition Products
Not available.

Other Remarks
### Section 8. Exposure Controls/Personal Protection

**Personal protective equipment**

**EXPOSURE CONTROLS**
Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.

**PERSONAL PROTECTION**

**Eye/face protection:** Face shield and safety glasses. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU).

**Skin protection:** Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove’s outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. Full and Splash contact - Material: Nitrile rubber, Minimum layer thickness: 0.11mm, Break through time: 460 min., Material tested: Dermatril® (KCL 740 / Aldrich Z677272, Size M).

**Body protection:** Complete suit protecting against chemicals. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace. Choose body protection in relation to its type, to the concentration and amount of dangerous substance at the specific workplace.

**Respiratory protection:** Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

### Section 9. Physical and Chemical Properties

**Physical State**
Solid.

**Color**
Glassy yellow or orange-yellow crystalline powder.

**Boiling Point**
Not available.

**Melting Point**
270 °C (dec.)

**Solubility**
Slightly soluble in water. DMSO to 60mg/mL

**Flash Point**
Not available.

**Lower explosion limit**
Not available.

**Upper explosion limit**
Not available.

**Water solubility**
Slightly soluble in water.

**Partition coefficient: n-octanol/water**
Not available.

**Relative vapor density**
Not available.

**Physical State**

**Not available.**

**Color**

**Not available.**

**Boiling Point**

**Volatile**

**Not available.**

**Melting Point**

**Density**

**Not available.**

**Solubility**

**Not available.**

**Flash Point**

**Ignition temperature**

**Not available.**

**Lower explosion limit**

**Autoignition temperature**

**Not available.**

**Upper explosion limit**

**Vapor pressure**

**Not available.**

**Water solubility**

**Odor**

**Not available.**

**Partition coefficient: n-octanol/water**

**Odor Threshold**

**Not available.**

**Relative vapor density**

**Evaporation rate**

**Not available.**

### Section 10. Stability and Reactivity

**Stability**
Stable under recommended storage conditions.

**Materials To Avoid**
Strong oxidizing agents.

**Hazardous Decomposition Products**
Not available.
Section 11. Toxicological Information

Oral LD50
Rat - 25.8 mg/kg

Inhalation LC50
Not available.

Dermal LD50
Not available.

Other information on acute toxicity
Not available.

Skin corrosion/irritation
Not available.

Serious eye damage/irritation
Not available.

Respiratory or skin sensitization
Prolonged or repeated exposure may cause allergic reactions in certain sensitive individuals.

Germ cell mutagenicity
Not available.

Reproductive Toxicity
Not available.

Aspiration Hazard
Not available.

Specific organ toxicity single exposure (GHS)
Not available.

Synergistic effects
Not available.

Specific organ toxicity repeated exposure (GHS)
Not available.

Additional Information RTECS: TP2450000

Teratogenicity
Not available.

Signs and symptoms of exposure
Liver, irregularities, based on human evidence.

Potential Health Effects
Inhalation - May be harmful if inhaled. May cause respiratory tract irritation.
Skin - May be harmful if absorbed through skin. May cause skin irritation.
Eyes - Causes serious eye damage.
Ingestion - Acute toxicity. Fatal if swallowed.
Carcinogenicity - May cause cancer.

Carcinogenicity
IARC: 2A - Group 2A: Probably carcinogenic to humans (Cisplatin).
ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.
NTP: Reasonably anticipated to be a human carcinogen (Cisplatin).
OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Section 12. Ecological Information

Toxicity
Not available.

Mobility in soil
Not available.

PBT and vPvB assessment
PBT/vPvB assessment not available as chemical safety assessment not required/not
Section 13. Disposal Considerations

**Waste Disposal**

Dispose of material according to all federal, state, and local regulations. Offer material to a licensed, professional waste disposal company. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Dispose of as unused product.

---

Section 14. Transport Information

**DOT (US)**

UN number: 3288  Class: 6.1  Packing group: II
Proper shipping name: Toxic solid, inorganic, n.o.s. (Cisplatin)
Reportable Quantity (RQ):  Marine pollutant: No  Poison Inhalation Hazard: No

**IATA**

UN number: 3288  Class: 6.1  Packing group: II
Proper shipping name: Toxic solid, inorganic, n.o.s. (Cisplatin)

**IMDG**

UN number: 3288  Class: 6.1  Packing group: II  EMS No: F-A, S-A
Proper shipping name: TOXIC SOLID, INORGANIC, N.O.S. (Cisplatin)
Marine pollutant: No

---

Section 15. Regulatory Information

**SARA 302 Components**

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

**SARA 313 Components**

SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

**SARA 311/312 Components**

Acute health hazard, chronic health hazard.

**Massachusetts Right To Know Components**

Cisplatin  CAS #: 15663-27-1  Revision Date: 1993-04-24

**Pennsylvania Right To Know Components**

Cisplatin  CAS #: 15663-27-1  Revision Date: 1993-04-24

**New Jersey Right To Know Components**

Cisplatin  CAS #: 15663-27-1  Revision Date: 1993-04-24

**California Prop 65 Components**

WARNING! This product contains a chemical known to the State of California to cause cancer.

Cisplatin  CAS #: 15663-27-1  Revision Date: 2007-09-28

---

Section 16. Other Information

**Other Information**

The information in this document is believed to be correct but is not necessarily complete. LKT does not guarantee the accuracy of the information. The burden of verifying the information in this document rests solely upon the user.