

**Section 1. Product and Company Identification****Product Name** Carboplatin / cis-Diammine[1,1 cyclobutane dicarboxylato] platinum**Product ID** C0171**Chemical Name
(Synonyms)** Paraplatin**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 4), H302
Acute toxicity, Skin (Category 4), H312
Skin sensitization (Category 1), H317
Acute toxicity, Inhalation (Category 4), H332
Respiratory sensitization (Category 1), H334
Germ cell mutagenicity (Category 1B), H340
Reproductive toxicity (Category 1B), H360**GHS Label elements including precautionary statements****Pictogram****Signal word** Danger**Hazard and
precautionary statements****Hazard statements**H302 + H312 + H332 - Harmful if swallowed, in contact with skin or inhaled.
H317 - May cause an allergic skin reaction.
H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H340 - May cause genetic defects.
H360 - May damage fertility or the unborn child.**Precautionary statements**P201 - Obtain special instructions before use.
P202 - Do not handle until all safety precautions have been read and understood.
P261 - Avoid breathing dust, fumes, gas, mist, vapors and spray.
P264 - Wash skin thoroughly after handling.
P270 - Do not eat, drink or smoke when using this product.
P271 - Use only outdoors or in a well-ventilated area.
P272 - Contaminated work clothing should not be allowed out of the workplace.
P280 - Wear protective gloves and/or protective clothing.
P281 - Use personal protective equipment as required.
P285 - In case of inadequate ventilation wear respiratory protection.
P301 + P312 + P330 - IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth.
P302 + P352 + P312 - IF ON SKIN: Wash with plenty of soap and water. Call a POISON CENTER or doctor/or physician if you feel unwell.
P304 + P340 + P312 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/or physician if you feel unwell.
P308 + P313 - IF exposed or concerned: Get medical advice and/or attention.
P333 + P313 - If skin irritation or rash occurs: Get medical advice and/or attention.
P363 - Wash contaminated clothing before reuse.
P405 - Store locked up.
P501 - Dispose of contents and/or container to an approved waste disposal plant.**HMIS Classification** Health hazard: 2
Chronic health hazard: *
Flammability: 0
Physical hazards: 0**NFPA Rating** Health hazard: 2
Fire: 0
Reactivity hazard: 0**Potential Health Effects**Inhalation - Acute toxicity. Harmful if inhaled. May cause respiratory irritation.
Skin - Acute toxicity. Harmful in contact with skin. May cause allergic skin reaction. May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Eyes - May cause eye irritation. Ingestion - Acute toxicity. Harmful if swallowed.

Ingestion - Acute toxicity. Harmful if swallowed.
Reproduction: May cause genetic defects. May damage fertility or the unborn child.

Section 3. Composition/Information on Ingredients

Substances

Formula C₆H₁₂N₂O₄Pt
CAS No. 41575-94-4

Formula Wt. 371.25
EC No. 255-446-0

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 with water as a precaution.

Skin Contact Wash off with soap and plenty of water. 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 Carbon oxides, nitrogen oxides (NO_x).

Section 6. Accidental Release Measures

Personal Precautions Use personal protective equipment. Avoid dust formation. Avoid breathing dust, vapors, mist, dust, or gas. Ensure adequate ventilation. Evacuate personnel to safe areas.

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 container 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 Store in a tightly closed container in a dry and well-ventilated place. Recommended Storage Temperature: -20°C.

Hazardous Decomposition Products Not available.

Other Remarks None.

Section 8. Exposure Controls/Personal Protection

Personal protective equipment

EXPOSURE CONTROLS

Contains no substances with occupational exposure limit values.

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

PERSONAL PROTECTIVE EQUIPMENT

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: 0.11 mm, Break through time: 480 min., Material tested: Dermatrill® (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.

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	White crystal powder.
Boiling Point	Not available.	Volatility	Not available.
Melting Point	228-230°C	Density	Not available.
Solubility	Soluble in water (10 mg/mL).	pH	Not available.
Flash Point	Not available.	Ignition temperature	Not available.
Lower explosion limit	Not available.	Autoignition temperature	Not available.
Upper explosion limit	Not available.	Vapor pressure	Not available.
Water solubility	Soluble in water (10 mg/mL).	Odor	Not available.
Partition coefficient: n-octanol/water	Not available.	Odor Threshold	Not available.
Relative vapor density	Not available.	Evaporation rate	Not available.

Section 10. Stability and Reactivity

Stability	Stable under recommended storage conditions.
Materials To Avoid	Not available.
Hazardous Decomposition Products	Not available.

Possibility of hazardous reactions Not available.

Conditions to avoid Not available.

Section 11. Toxicological Information

Oral LD50 Rat - 343 mg/kg

Skin corrosion/irritation Not available.

Inhalation LC50 Not available.

Serious eye damage/irritation Not available.

Dermal LD50 Not available.

Respiratory or skin sensitization May cause allergic respiratory and skin reactions.

Other information on acute toxicity Not available.

Germ cell mutagenicity In vivo tests showed mutagenic effects. No data available.

Reproductive Toxicity Presumed human reproductive toxicant.

Aspiration Hazard May cause allergic respiratory and skin reactions.

Specific organ toxicity single exposure (GHS) Not available.

Synergistic effects Not available.

Specific organ toxicity repeated exposure (GHS) Not available.

Additional Information RTECS: TP2300000
To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Teratogenicity Presumed human reproductive toxicant.

Signs and symptoms of exposure Vomiting, prolonged or repeated exposure can cause: liver and/or kidney injury may occur. Stomach - irregularities - based on human evidence.

Potential Health Effects Inhalation - Acute toxicity. Harmful if inhaled. May cause respiratory irritation.
Skin - Acute toxicity. Harmful in contact with skin. May cause allergic skin reaction. May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Eyes - May cause eye irritation. Ingestion - Acute toxicity. Harmful if swallowed.
Ingestion - Acute toxicity. Harmful if swallowed.
Reproduction: May cause genetic defects. May damage fertility or the unborn child.

Carcinogenicity IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible, or confirmed human carcinogen by IARC.
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: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
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

conducted.

Persistence and degradability Not available.

Other adverse effects Not available.

Bioaccumulative potential Not available.

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) Not dangerous goods.

IATA Not dangerous goods.

IMDG Not dangerous goods.

Further Information

Section 15. Regulatory Information

Reach No.

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

SARA 313 Components 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 No components are subject to the Massachusetts Right to Know Act.

Pennsylvania Right To Know Components Carboplatin CAS #: 41575-94-4 Revision Date:

New Jersey Right To Know Components Carboplatin CAS #: 41575-94-4 Revision Date:

California Prop 65 Components WARNING! This product contains a chemical known to the State of California to cause birth defects or other reproductive harm. Carboplatin / cis-Diammine[1,1 cyclobutane dicarboxylato] platinum CAS #: 41575-94-4 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.

Updated 6/26/2019

For emergencies in the USA, call
CHEMTREC 800-424-9300