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**1. Identification****Product identifier**

SDS Number: BXU580328  
Product Name: Carboplatin

**Other means of identification**

Synonyms: None

**Recommended use of the chemical and restrictions on use**

Product Use: Antineoplastic Agents.  
Product Type: Regulated Prescription Drug  
Uses advised against: No information available

**Details of manufacturer or importer**

Baxter Healthcare Pty. Ltd.  
1 Baxter Drive  
Old Toongabbie NSW 2146 Australia  
Telephone : (02) 98481111

**Emergency telephone number**

Australia: 1 800 229 837 and Poison Information Centre 13 11 26  
Verisk 3E Global Incident Response Hotline +1 760 476 3962; Access Code 335625

**2. Hazard(s) identification****GHS Classification**

Acute toxicity - Oral	Category 4 - (H302)
Acute toxicity - Dermal	Category 4 - (H312)
Acute toxicity - Inhalation (Dusts/Mists)	Category 4 - (H332)
Serious eye damage/eye irritation	Category 2 - (H319)
Respiratory sensitization	Category 1B - (H334)
Skin sensitization	Category 1B - (H317)
Germ cell mutagenicity	Category 1B - (H340)
Reproductive toxicity	Category 1B - (H360)
Effects on or via lactation	Yes - (H362)

**Label elements**

Exclamation mark  
Health hazard



Signal word  
Danger

**Hazard statements**

- H302 - Harmful if swallowed
- H312 - Harmful in contact with skin
- H317 - May cause an allergic skin reaction
- H319 - Causes serious eye irritation
- H332 - Harmful if inhaled
- 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
- H362 - May cause harm to breast-fed children

**Precautionary Statements - Prevention**

- Obtain special instructions before use
- Do not handle until all safety precautions have been read and understood
- Use personal protective equipment as required
- Do not breathe dust/fume/gas/mist/vapors/spray
- Avoid contact during pregnancy/while nursing
- Wash face, hands and any exposed skin thoroughly after handling
- Do not eat, drink or smoke when using this product
- Use only outdoors or in a well-ventilated area
- In case of inadequate ventilation wear respiratory protection
- Contaminated work clothing should not be allowed out of the workplace
- Wear protective gloves

**Precautionary Statements - Response**

- IF exposed or concerned: Get medical advice/attention
- Specific treatment (see supplemental first aid instructions on this label)
- Specific treatment (see supplemental first aid instructions on this label)
- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
- If eye irritation persists: Get medical advice/attention
- IF ON SKIN: Wash with plenty of soap and water
- Call a POISON CENTER or doctor/physician if you feel unwell
- Wash contaminated clothing before reuse
- If skin irritation or rash occurs: Get medical advice/attention
- IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
- If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician
- IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell
- Rinse mouth

**Precautionary Statements - Storage**

- Store locked up

**Precautionary Statements - Disposal**

- Dispose of contents/container to an approved waste disposal plant

**Other hazards which do not result in classification**

- General Hazards** No information available

**3. Composition/information on ingredients**

Chemical Name	CAS No.	Weight-%
Carboplatin 41575-94-4	41575-94-4	100

**4. First-aid measures**

**Description of first aid measures**

- General Advice** Treat symptomatically and supportively.

- Inhalation:** If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
- Eye contact:** In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.
- Skin contact:** In case of contact, immediately flush skin with plenty of water. Wash contaminated skin with soap and water. Remove contaminated clothing and shoes. Wash clothing before reuse. Get medical attention.
- Ingestion:** Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention.

**Most important symptoms and effects, both acute and delayed**

May be harmful if swallowed. May cause sensitization by inhalation and skin contact. Contains a known or suspected mutagen. Contains a known or suspected reproductive toxin.

**Indication of any immediate medical attention and special treatment needed**

Treat symptomatically. See patient package insert in shipping carton for complete information.

**5. Fire-fighting measures**

**Suitable Extinguishing Media**

Use dry chemical or CO2. Water spray Alcohol-resistant foam

**Specific hazards arising from the chemical**

No information available

**Special protective actions for fire-fighters**

Fire fighters should wear positive pressure self-contained breathing apparatus (SCBA) and full turnout gear.

**6. Accidental release measures**

**Personal precautions, protective equipment and emergency procedures**

Keep unnecessary personnel away. Use suitable protective equipment (Section 8). Follow all fire fighting procedures (Section 5).

**Environmental precautions**

See Section 12 for environmental precautions.

**Methods and material for containment and cleaning up**

**Methods for Containment:**

If emergency personnel are unavailable, contain spilled material.

**Methods for cleaning up:**

Shovel or sweep up. Neutralise with hydrochloric or sulphuric acids. Sodium hypochlorite. Place spilled material in an appropriate container for disposal. After cleaning, flush away traces with water

**Precautions to prevent secondary hazards**

**Prevention of secondary hazards** Clean contaminated objects and areas thoroughly observing environmental regulations.

**7. Handling and storage**

**Precautions for safe handling**

**Technical measures/precautions:** Do not ingest. Avoid production of dust. Avoid skin contact. Avoid eye contact. Wash thoroughly after handling.

**Conditions for safe storage, including any incompatibilities**

**Technical measures and storage conditions:** Keep containers tightly closed in a cool, well-ventilated place. Store below 25 °C (77 °F). Protect from light.

**Incompatible materials:** Strong oxidizing agents. Aluminum

**8. Exposure controls/personal protection**

**Control parameters**

**Exposure Limits**

Chemical Name	Australia nohsc :	ACGIH TLV
Carboplatin - 41575-94-4	-	TWA: 0.002 mg/m <sup>3</sup> Pt

**Appropriate engineering controls**

**Engineering Measures** Provide general or local exhaust ventilation. Open handling must be limited.

**Individual protection measures, such as personal protective equipment**

- Eye/face protection** Eye protection not required for normal final product use. Safety glasses with side-shields are recommended for laboratory and manufacturing use.
- Skin and body protection** Disposable close-front gown or coveralls.
- Hand protection** Latex gloves. Nitrile rubber.
- Respiratory protection** No personal respiratory protective equipment normally required. In the case of respirable dust and/or fumes, use self-contained breathing apparatus.

**9. Physical and chemical properties**

**Information on basic physical and chemical properties**

- Physical state:** Solid.
- Appearance:** Crystalline powder
- Color:** No information available
- Odor:** No information available
- Odor Threshold:** No information available
- pH:** No information available
- Melting point / melting range:** No information available
- Boiling point / boiling range:** No information available
- Flash point:** No information available
- Evaporation rate:** No information available
- Flammability (solid, gas):** No information available
- Flammable limits in air-upper (%):** No information available
- Flammable limits in air-lower (%):** No information available
- Vapor pressure:** No information available
- Vapor density:** No information available
- Density:** No information available
- Solubility:** Soluble in water.
- Partition coefficient (n-octanol/water):** No information available
- Autoignition temperature:** No information available
- Decomposition temperature:** No information available
- Viscosity:** No information available
- Explosive Properties:** No information available
- Oxidizing Properties:** No information available

**Other information**

**10. Stability and reactivity**

**Reactivity**

No information available.

**Chemical stability**

Stable under recommended storage conditions

**Possibility of hazardous reactions**

None under normal use conditions

**Conditions to Avoid**

Protect from light. Do not freeze.

**Incompatible materials**

Aluminum. Strong oxidizing agents.

**Hazardous decomposition products**

Carbon oxides. Nitrogen oxides (nox).

**11. Toxicological information**

**Acute toxicity**

**Information on likely routes of exposure**

**Product Information**

- Inhalation:** Inhalation not likely under normal use conditions. Harmful by inhalation
- Eye contact:** Causes eye irritation.
- Skin contact:** May cause skin irritation.
- Ingestion:** Harmful if swallowed. Blood effects (may include anemia, neutropenia (decreased number of neutrophils), thrombocytopenia (decreased number of platelets), bone marrow depression). Gastrointestinal effects (may include nausea/vomiting, abdominal pain, diarrhea, dry mouth, colic). Nervous system effects (headache, dizziness, light headedness). Peripheral neuropathies (may include numbness and weakness). Renal function effects (may include increased levels of creatinine, BUN, renal failure). Liver function effects (may include increased levels of SGOT, SGPT, serum LDH, jaundice). Hair loss.

**Symptoms:** No information available

**Numerical measures of toxicity - Product Information**

No information available

**The following values are calculated based on chapter 3.1 of the GHS document**

**ATEmix (inhalation-dust/mist) 1.50**

- Unknown acute toxicity** 100 % of the mixture consists of ingredient(s) of unknown toxicity
- 0 % of the mixture consists of ingredient(s) of unknown acute oral toxicity
- 0 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity
- 100 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)

100 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)  
 0 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

**Component Information**

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Carboplatin 41575-94-4	= 343 mg/kg ( Rat )	-	-

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**Corrosivity:** Not classified.

**Irritation:** Irritating to eyes.

**Sensitization:** May cause sensitization by inhalation and skin contact.

**Mutagenic effects:** Considered mutagenic.

**Carcinogenic effects:** May be carcinogenic based on similar drug data.

**Reproductive toxicity:** May be fetotoxic based on animal data. May be teratogenic based on animal data.

**STOT - single exposure:** Not classified.

**STOT - repeated exposure:** Not classified.

**Aspiration Hazard:** Not classified.

**12. Ecological information**

**Ecotoxicity**

No information available

**Unknown aquatic toxicity**

0 % of the mixture consists of component(s) of unknown hazards to the aquatic environment.

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Carboplatin 41575-94-4	-	-	-	-

**Persistence and degradability**

No information available.

**Bioaccumulative potential**

No information available.

Chemical Name	Partition coefficient
Carboplatin 41575-94-4	-

**Mobility**

No information available

**Other adverse effects**

This product does not contain any known or suspected endocrine disruptors.

Chemical Name	EU - Endocrine Disruptors Candidate List	EU - Endocrine Disruptors - Evaluated Substances	Endocrine disrupting potential
Carboplatin 41575-94-4	-	-	-

**13. Disposal considerations**

**Waste treatment methods**

**Waste from residues/unused products** In accordance with local and national regulations

**Contaminated Packaging** In accordance with local and national regulations

**14. Transport information**

**ADG** Not regulated

**IATA** Not regulated

**IMDG** Not regulated

**15. Regulatory information**

**Safety, health and environmental regulations/legislation specific for the substance or mixture**

**National regulations**

**Australia**

See section 8 for national exposure control parameters

**Standard for Uniform Scheduling of Medicines and Poisons (SUSMP)**

Classified as a scheduled poison according to the Standard for Uniform Scheduling of Medicines and Poisons (SUSMP)

**Poison Schedule Number** 4

**International Inventories**

<b>TSCA</b>	Does not comply
<b>DSL/NDSL</b>	Does not comply
<b>EINECS/ELINCS</b>	Complies
<b>ENCS</b>	Does not comply
<b>IECSC</b>	Does not comply
<b>KECL</b>	Does not comply
<b>PICCS</b>	Does not comply
<b>AICS</b>	Does not comply
<b>NZIOC</b>	Complies

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory

**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List

**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

**ENCS** - Japan Existing and New Chemical Substances

**IECSC** - China Inventory of Existing Chemical Substances

**KECL** - Korean Existing and Evaluated Chemical Substances  
**PICCS** - Philippines Inventory of Chemicals and Chemical Substances  
**AICS** - Australian Inventory of Chemical Substances  
**NZIOC** - New Zealand Inventory of Chemicals and Chemical Substances

**International Regulations**

**The Montreal Protocol on Substances that Deplete the Ozone Layer** Not applicable

**The Stockholm Convention on Persistent Organic Pollutants** Not applicable

**The Rotterdam Convention** Not applicable

**16. Other information**

**Prepared by:** Baxter Research & Development  
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**Revision Note:**  
 New GHS format.

**Key or legend to abbreviations and acronyms**

<u>Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION</u>	
TWA	TWA (time-weighted average)
STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value
*	Skin designation
C	Carcinogen

**Key literature references and sources for data used to compile the SDS**

Agency for Toxic Substances and Disease Registry (ATSDR)  
 U.S. Environmental Protection Agency ChemView Database  
 European Food Safety Authority (EFSA)  
 EPA (Environmental Protection Agency)  
 Acute Exposure Guideline Level(s) (AEGl(s))  
 U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act  
 U.S. Environmental Protection Agency High Production Volume Chemicals  
 Food Research Journal  
 Hazardous Substance Database  
 International Uniform Chemical Information Database (IUCLID)  
 Japan GHS Classification  
 Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)  
 NIOSH (National Institute for Occupational Safety and Health)  
 National Library of Medicine's ChemID Plus (NLM CIP)  
 National Library of Medicine's PubMed database (NLM PUBMED)  
 National Toxicology Program (NTP)  
 New Zealand's Chemical Classification and Information Database (CCID)  
 Organization for Economic Co-operation and Development Environment, Health, and Safety Publications  
 Organization for Economic Co-operation and Development High Production Volume Chemicals Program  
 Organization for Economic Co-operation and Development Screening Information Data Set  
 RTECS (Registry of Toxic Effects of Chemical Substances)  
 World Health Organization

**Disclaimer**

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that exist.

**End of Safety Data Sheet**