

# ENDOXAN

## Consumer Medicine Information (CMI) summary

The [full CMI](#) on the next page has more details. If you are worried about using this medicine, speak to your doctor or pharmacist.

### 1. Why am I receiving ENDOXAN?

ENDOXAN contains the active ingredient cyclophosphamide. ENDOXAN is used to treat various types of cancer, treat some diseases of the immune system, or prevent rejection of organ transplants. For more information, see Section [1. Why am I receiving ENDOXAN?](#) in the full CMI.

### 2. What should I know before receiving ENDOXAN?

Do not use if you have ever had an allergic reaction to ENDOXAN.

**Talk to your doctor if you have any other medical conditions, take any other medicines, or are pregnant or plan to become pregnant or are breastfeeding.**

For more information, see Section [2. What should I know before receiving ENDOXAN?](#) in the full CMI.

### 3. What if I am taking other medicines?

Some medicines may interfere with ENDOXAN and affect how it works. A list of these medicines is in Section [3. What if I am taking other medicines?](#) in the full CMI.

### 4. How is ENDOXAN given?

- Your doctor or Registered Nurse will give ENDOXAN by an infusion (drip) into a vein (intravenously). The infusion usually takes 30 to 60 minutes.
- Your doctor will decide how much ENDOXAN to give you, depending on your need and on factors such as your weight, kidney function, and other chemotherapy medicines you are receiving.

More instructions can be found in Section [4. How is ENDOXAN given?](#) in the full CMI.

### 5. What should I know while receiving ENDOXAN?

<b>Things you should do</b>	<ul style="list-style-type: none"><li>• Keep all your doctor's appointments to get the best effects from treatment, and so your progress can be checked.</li><li>• Follow your doctor's instructions about other medicines you should take, and other things you should do.</li><li>• For men and women of reproductive age: Use a reliable form of birth control while you are being treated with ENDOXAN and for at least 3 months after your treatment has stopped.</li><li>• Call your doctor straight away if you become pregnant while you are receiving ENDOXAN.</li><li>• Remind any doctor, dentist, nurse or pharmacist you visit that you are receiving ENDOXAN.</li><li>• Take precautions to minimise the risk of infections and bleeding.</li></ul>
<b>Things you should not do</b>	<ul style="list-style-type: none"><li>• Do not eat grapefruit or drink grapefruit juice while you are receiving ENDOXAN.</li></ul>
<b>Driving or using machines</b>	<ul style="list-style-type: none"><li>• Be careful before you drive or use any machines or tools until you know how ENDOXAN affects you.</li><li>• Do not drive if you experience dizziness or lightheadedness.</li></ul>
<b>Drinking alcohol</b>	<ul style="list-style-type: none"><li>• Do not drink alcohol while you are receiving ENDOXAN.</li></ul>

For more information, see Section [5. What should I know while receiving ENDOXAN?](#) in the full CMI.

### 6. Are there any side effects?

There are less serious and serious side effects with ENDOXAN that you need to be aware of. For more information, including what to do if you have any side effects, see Section [6. Are there any side effects?](#) in the full CMI.

# ENDOXAN

Active ingredient: *cyclophosphamide*

## Consumer Medicine Information (CMI)

This leaflet provides important information about using ENDOXAN. **You should also speak to your doctor, Registered Nurse or pharmacist if you would like further information or if you have any concerns or questions about using ENDOXAN.**

Where to find information in this leaflet:

- [1. Why am I receiving ENDOXAN?](#)
- [2. What should I know before I receive ENDOXAN?](#)
- [3. What if I am taking other medicines?](#)
- [4. How is ENDOXAN given?](#)
- [5. What should I know while receiving ENDOXAN?](#)
- [6. Are there any side effects?](#)
- [7. Product details](#)

## 1. Why am I receiving ENDOXAN?

**ENDOXAN contains the active ingredient cyclophosphamide.** ENDOXAN is a type of chemotherapy medicine. It belongs to a group of medicines called antineoplastic or cytotoxic medicines.

**ENDOXAN is used to:**

- treat various types of cancer
- treat some diseases of the immune system
- prevent rejection of organ transplants.

In cancer, ENDOXAN works by stopping cancer cells from growing and multiplying. It is often used in combination with other medicines to treat cancer.

In other conditions, it works by making the immune system less active so it does not attack the body or overreact.

## 2. What should I know before I receive ENDOXAN?

### Warnings

**Do not have ENDOXAN if:**

- you are allergic to cyclophosphamide
- Always check the ingredients to make sure you can use this medicine.
- you have the following medical conditions (unless you have first discussed these with your doctor):
  - a condition of the blood with a reduced number of red or white blood cells or platelets
  - bladder problem, such as difficulty passing urine or a burning feeling when passing urine.
- you have had surgery in the past few days.

- if you are in the first 3 months of pregnancy (see 'Pregnancy and breastfeeding' and 'People of reproductive age')
- you have an infection or high temperature.

If you have an infection, your doctor may decide to delay your treatment until your infection is gone. A mild illness, such as a cold, is not usually a reason to delay treatment.

**Check with your doctor if you:**

- have any other medical conditions, including:
  - liver problems
  - kidney problems
  - heart problems
  - bladder problems
  - a blood disorder with a reduced number of red or white blood cells or platelets
  - diabetes
  - a lowered immunity due to diseases including HIV/AIDS or cancer
- have had an operation to remove your adrenal glands. The dose of your medicines may need adjusting.
- have had previous treatment for cancer, such as other cancer medicines or radiation therapy
- take any medicines for any other conditions.

During treatment, you may be at risk of developing certain side effects. It is important you understand these risks and how to monitor for them. See additional information under Section [6. Are there any side effects?](#)

### Pregnancy and breastfeeding

**Do not have ENDOXAN if you are pregnant or intend to become pregnant.**

Like most medicines used to treat cancer, ENDOXAN is not recommended for use in pregnancy, especially the first 3 months of pregnancy.

Check with your doctor if you are pregnant or intend to become pregnant, to discuss the risks and benefits. See also 'People of reproductive age'.

**Do not breastfeed while receiving ENDOXAN.**

ENDOXAN passes into the breast milk and may affect the breast-fed baby.

Talk to your doctor if you are breastfeeding or intend to breastfeed.

### People of reproductive age

**Use a reliable form of birth control while you are being treated with ENDOXAN and for at least 3 months after your treatment has stopped.**

ENDOXAN may cause birth defects if either males or females are being treated with it at the time of conception.

**Tell your doctor if you or your partner intends to become pregnant while you or they are receiving ENDOXAN or shortly after stopping ENDOXAN.**

ENDOXAN may interfere with the reproductive system in both men and women, causing loss of ability to have children. This may be irreversible in some people.

### 3. What if I am taking other medicines?

Tell your doctor or pharmacist if you are taking any other medicines, including any medicines, vitamins or supplements that you buy without a prescription from your pharmacy, supermarket or health food shop.

**Some medicines and ENDOXAN may interfere with each other. These medicines may be affected by ENDOXAN or may affect how it works.**

- some other medicines used to treat cancer (including chemotherapy and immune-targeted therapy), radiation therapy, or any other treatment which lowers your immune system
- suxamethonium, a muscle relaxant used in operations
- some medicines used as sedatives or to relieve anxiety
- thiazide diuretics, such as hydrochlorothiazide (also called a water or fluid tablets)
- carbamazepine, phenytoin and phenobarbitone, medicines used to treat epilepsy
- allopurinol, a medicine used to treat gout
- indomethacin, a medicine used to relieve pain, swelling and other symptoms of inflammation, including arthritis
- some medicines used to treat diabetes
- some vaccines (ask your doctor)
- alcohol
- disulfiram, used to treat alcohol use disorder
- some medicines used to treat fungal infections, such as fluconazole, itraconazole, and amphotericin B
- some medicines used to treat nausea, particularly for patients treated with chemotherapy, such as aprepitant and ondansetron
- some medicines used to treat depression, such as bupropion and the herbal medicine St. Johns Wort
- some medicines used to treat bacterial infections, such as metronidazole, rifampin, sulfonamide, chloramphenicol, ciprofloxacin
- some medicines used in the treatment of heart conditions, such as ACE inhibitors, amiodarone, digoxin, B-acetyldigoxin, and verapamil
- prasugrel, an antiplatelet medication, used for preventing cardiovascular events
- warfarin, an anticoagulant, used to prevent blood clot formation
- some medicines used in the treatment of HIV infections, or other viral infections
- tamoxifen, a hormone therapy
- etanercept, used to treat autoimmune conditions
- cimetidine, a medicine used to treat ulcers and gastro-oesophageal reflux disease (GORD)
- corticosteroids (anti-inflammatory medicines)
- medicines used to promote blood cell production

**Check with your doctor or pharmacist if you are not sure about what medicines, vitamins or supplements you are taking and if these affect ENDOXAN.**

### 4. How is ENDOXAN given?

**How it is given**

- Your doctor or Registered Nurse will give ENDOXAN by an infusion (drip) administered intravenously (into a vein).
- The infusion usually takes 30 to 60 minutes.
- Your dose may be given on a single day, or may be divided over more than one day.
- Doses are repeated every 3 to 4 weeks, in what is called cycles of chemotherapy.
- Several cycles may be needed depending on your response to treatment.
- The treatment duration will depend on when your blood cell numbers return to an acceptable level, and any other unwanted effects of the medicine have settled down.

**How much is given**

- Your doctor will decide how much ENDOXAN to give you.
- The amount depends on your condition, and on factors such as your weight, kidney function, and other chemotherapy medicines you are receiving.

**If you receive too much ENDOXAN**

The doctor or Registered Nurse giving you ENDOXAN is highly trained and qualified, so it is unlikely that you will be given an overdose.

If you think that you have used too much ENDOXAN, you may need urgent medical attention.

**You should immediately:**

- phone the Poisons Information Centre (**by calling 13 11 26**), or
- contact your doctor, or
- go to the Emergency Department at your nearest hospital.

**You should do this even if there are no signs of discomfort or poisoning.**

### 5. What should I know while receiving ENDOXAN?

**Things you should do**

- Keep all your doctor's appointments to get the best effects from treatment, and so your progress can be checked.

It is important to have your follow-up doses at the appropriate times to get the best treatment outcomes.

Your doctor may also want to do some blood, urine and other tests from time to time to check on your progress and detect any unwanted side effects.

- Follow your doctor's instructions about other medicines you should take, and other things you should do.

You may need to take other medicines to help prevent unwanted effects of ENDOXAN. You may also be advised to drink extra fluid, to help prevent damage to the bladder and urinary system.

- For men and women of reproductive age: Use a reliable form of birth control while you are being treated with ENDOXAN and for at least 3 months after your treatment has stopped.

ENDOXAN may cause birth defects if either males or females are being treated with it at the time of conception.

**Tell your doctor if you or your partner intends to become pregnant while you or they are receiving ENDOXAN or shortly after stopping ENDOXAN.**

**Call your doctor straight away if you:**

- become pregnant while receiving ENDOXAN.

Remind any doctor, dentist, nurse or pharmacist you visit that you are using ENDOXAN.

### Things you should not do

- **Do not eat grapefruit or drink grapefruit juice while you are on ENDOXAN.**

Grapefruit may interact with ENDOXAN and cause it not to work as well.

### Reducing the risk of infection and bleeding

ENDOXAN can lower the number of white blood cells and platelets in your blood. This means that you have an increased chance of getting an infection or bleeding.

To reduce the risk of infection and bleeding, follow these precautions:

- Avoid people who have infections. Check with your doctor immediately if you think you may be getting an infection, or if you get a fever, chills, cough, hoarse throat, lower back or side pain or find it painful or difficult to urinate.
- Be careful when using a toothbrush, toothpick or dental floss. Your doctor, dentist, Registered Nurse or pharmacist may recommend other ways to clean your teeth and gums. Check with your doctor before having any dental work.
- Be careful not to cut yourself when you are using sharp objects such as a razor or nail cutters.
- Avoid contact sports or other situations where you may bruise or get injured.

### Driving or using machines

**Be careful before you drive or use any machines or tools until you know how ENDOXAN affects you.**

As with many other medicines, ENDOXAN may cause nausea, dizziness or light-headedness in some people.

Make sure you know how you react to ENDOXAN before you drive a car, operate machinery, or do anything else that could be dangerous if you are dizzy or light-headed. If this occurs, do not drive.

### Drinking alcohol

**Do not drink alcohol while you are on ENDOXAN.**

Alcohol may worsen some side effects of ENDOXAN, such as nausea, vomiting or dizziness.

### Looking after your medicine

ENDOXAN will be stored in the pharmacy or on the ward. The injection is kept in a cool, dry place, protected from light, where the temperature stays below 25°C.

### Getting rid of any unwanted medicine

ENDOXAN is for single use, and for one person only. Your doctor or Registered Nurse will discard any unused medicine. They will not save unused portions for later, either for you or anyone else.

## 6. Are there any side effects?

All medicines can have side effects. If you do experience any side effects, most of them are minor and temporary. However, some side effects may need medical attention.

See the information below and, if you need to, ask your doctor or pharmacist if you have any further questions about side effects.

### Less serious side effects

Less serious side effects	What to do
<p><b>Gut related:</b></p> <ul style="list-style-type: none"> <li>• loss of appetite</li> <li>• feeling sick, vomiting</li> <li>• diarrhoea or constipation</li> <li>• mild stomach pain or discomfort</li> </ul> <p><b>Hair and skin related:</b></p> <ul style="list-style-type: none"> <li>• unusual hair loss or thinning (which may grow back after treatment with different colour or texture)</li> <li>• change in colour of nails, palms of hands or soles of feet</li> <li>• skin rash, hives, itchiness, discolouration or redness</li> <li>• inflammation of the skin and mucosa (e.g. vagina)</li> <li>• excessive sweating</li> <li>• tight, hard, shiny skin (especially on fingers and face), swelling of fingers, cold fingers that turn white or blue</li> </ul> <p><b>At the infusion-site:</b></p> <ul style="list-style-type: none"> <li>• pain, inflammation, swelling or</li> </ul>	<p><b>Speak to your doctor if you have any of these less serious side effects and they worry you.</b></p>

<p>redness at the site of administration, or the vein (into which the solution is infused)</p> <p><b>Muscle and nerve related:</b></p> <ul style="list-style-type: none"> <li>• hearing loss or tinnitus</li> <li>• muscle spasms or pain</li> <li>• joint pain or stiffness</li> <li>• tremors</li> <li>• changes in taste or smell</li> </ul> <p><b>Others:</b></p> <ul style="list-style-type: none"> <li>• chills</li> <li>• hot flushes</li> <li>• fatigue or lethargy</li> <li>• headache</li> <li>• blurred vision</li> <li>• conjunctivitis</li> <li>• watery eyes</li> <li>• sneezing, runny nose, congestion or nasal discomfort</li> <li>• swelling and pain near the cheek, in front of or below the ear</li> </ul>	
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<p><b>Heart and lung related:</b></p> <ul style="list-style-type: none"> <li>• abnormal changes in your heartbeat</li> <li>• chest pain or pressure that may spread to your arm, neck or jaw</li> <li>• coughing, shortness of breath, wheezing, tightness in the chest or throat</li> <li>• swelling, pain, redness, warmth of a limb (usually the leg) which may be a sign of a clot</li> <li>• cold, pale or bluish skin on lips, fingers, toes, numbness</li> </ul> <p><b>Brain and nerve related:</b></p> <ul style="list-style-type: none"> <li>• changes in sensation including numbness, pins and needles, sharp shooting pain</li> <li>• weakness</li> <li>• seizures, fits or convulsions</li> <li>• confusion</li> <li>• impaired consciousness, memory loss, personality change, shaking, stupor, coma</li> </ul> <p><b>Gut and liver related:</b></p> <ul style="list-style-type: none"> <li>• diarrhoea with red blood and mucous</li> <li>• pain and fever</li> <li>• vomiting blood, or passing black, tarry stools</li> <li>• severe upper abdominal pain</li> <li>• sudden swelling of stomach, build-up of fluid in stomach</li> <li>• yellowing of the skin and/or eyes</li> <li>• pale or light-coloured stools</li> <li>• enlarged liver</li> </ul> <p><b>Kidney related:</b></p> <ul style="list-style-type: none"> <li>• pain in the lower abdomen or back, pain or difficulty passing urine, blood in the urine</li> <li>• decreased or increased urine output</li> <li>• dark urine</li> <li>• weight gain from fluid retention</li> <li>• swelling of the hands, feet or other parts of the body due to fluid build up</li> </ul> <p><b>Pregnancy and conception related:</b></p> <ul style="list-style-type: none"> <li>• no, or infrequent, menstrual periods</li> <li>• infertility in both men and women, may be irreversible in some people</li> <li>• change in testicle size</li> <li>• premature labour</li> <li>• miscarriage</li> </ul>	
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### Serious side effects

Very serious side effects	What to do
<p><b>Allergic reaction related:</b></p> <ul style="list-style-type: none"> <li>• fever</li> <li>• signs of shock, such as: <ul style="list-style-type: none"> <li>○ pale, cold, clammy skin</li> <li>○ rapid, weak or irregular heartbeat</li> <li>○ confusion</li> <li>○ thirst or dry mouth</li> <li>○ low urine output</li> <li>○ difficulty breathing</li> <li>○ weakness</li> <li>○ drowsiness</li> <li>○ dizziness</li> <li>○ fainting/loss of consciousness</li> </ul> </li> <li>• widespread skin pain and rash, with blisters and large areas of peeling skin</li> <li>• sores, swelling and crusting on the mucous membranes, including the mouth, eyes and vagina</li> </ul> <p><b>Infection related:</b></p> <ul style="list-style-type: none"> <li>• general signs of infection including fever, flu-like symptoms or feeling generally unwell</li> <li>• sore red mouth, mouth ulcers</li> </ul> <p><b>Bleeding related:</b></p> <ul style="list-style-type: none"> <li>• tiredness, headaches, dizziness, being short of breath when exercising, looking pale</li> <li>• bleeding or bruising more easily than normal, nose bleeds</li> </ul>	<p><b>Call your doctor straight away, or go straight to the Emergency Department at your nearest hospital if you notice any of these serious side effects.</b></p>

The benefits and side effects of ENDOXAN may take some time to occur. Therefore, even after you have finished your ENDOXAN treatment, tell your doctor immediately if you notice any of the side effects listed in this section.

**In some cases, patients have developed various cancers, especially of the bladder or bone marrow, several years after treatment with ENDOXAN.**

**Tell your doctor or pharmacist if you notice anything else that may be making you feel unwell.**

Other side effects not listed here may occur in some people. Some side effects can only be detected by your doctor by physical examination, laboratory tests or scans.

### **Reporting side effects**

After you have received medical advice for any side effects you experience, you can report side effects to the Therapeutic Goods Administration online at [www.tga.gov.au/reporting-problems](http://www.tga.gov.au/reporting-problems). By reporting side effects, you can help provide more information on the safety of this medicine.

**Always make sure you speak to your doctor or pharmacist before you decide to stop taking any of your medicines.**

## **7. Product details**

This medicine is only available with a doctor's prescription.

### **What ENDOXAN contains**

<b>Active ingredient (main ingredient)</b>	cyclophosphamide
<b>Other ingredients (inactive ingredients)</b>	None

**Do not take this medicine if you are allergic to any of these ingredients.**

### **What ENDOXAN looks like**

ENDOXAN is a white powder in a clear glass vial. It is mixed with a liquid before use. It is available in the following sizes:

- 500mg – Aust R 82127
- 1g – Aust R 82129
- 2g – Aust R 82128

### **Who distributes ENDOXAN**

Baxter Healthcare Pty Ltd  
1 Baxter Drive  
Old Toongabbie  
NSW 2146  
Australia

This leaflet was prepared in December 2025.

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