

Medical Carbon Dioxide

Medicinal gas, liquefied

Package Leaflet: Information for the User

Medical Carbon Dioxide
Carbon Dioxide 99.5% (min)
Medicinal gas, liquefied

Read all of this leaflet carefully before you start using this medicine.

- Keep this leaflet as you may need to read it again.
- If you have further questions, ask your healthcare professional (doctor, nurse or pharmacist).
- This medicine has been prescribed for you.
- Do not pass it on to others as it may harm them, even if their symptoms are the same as yours.
- If any of the side effects become serious, or if you notice any side effects not listed in this leaflet, please tell your healthcare professional immediately.

This leaflet gives you information about:

1. What is Medical Carbon Dioxide and what is it used for
2. Things to consider before use
3. How to use Medical Carbon Dioxide
4. Possible side effects
5. How to store Medical Carbon Dioxide
6. Further Information

1. WHAT MEDICAL CARBON DIOXIDE IS AND WHAT IS IT USED FOR

Medical Carbon Dioxide is a liquefied medicinal gas, supplied in cylinders filled to a high pressure. Medical Carbon Dioxide may be used in the following situations:

- to stimulate breathing after a period of non-breathing or controlled respiration
- during bodily investigations
- to inflate body cavities during surgery (such as key-hole surgery)
- in solid form (dry ice) for freezing of tissue and removal of warts.

If Medical Carbon Dioxide is given to you to breathe, it will always be given to you with Medical Oxygen.

2. THINGS TO CONSIDER BEFORE USE

Medical Carbon Dioxide is only given to you in a hospital or clinic under the supervision of a healthcare professional. Ensure that your healthcare professional is aware of any medical conditions that you may have.

Do not use Medical Carbon Dioxide:

- if your blood or tissues are high in acid

Taking other medicines

Medical Carbon Dioxide can affect other medicines in the body, including those taken for treating high blood pressure and muscle relaxants.

Medical Carbon Dioxide should not be used with adrenaline or similar drugs.

Tell your healthcare professional if you are taking or have recently taken any other medicines, including medicines obtained without a prescription.

Pregnancy and breast feeding

The use of Medical Carbon Dioxide is not recommended during pregnancy.

Medical Carbon Dioxide will not affect you or your baby if used during breast-feeding.

Driving and using machines

You may drive and use machines after using Medical Carbon Dioxide providing that your healthcare professional considers that you are both fit and capable.

3. HOW TO USE MEDICAL CARBON DIOXIDE

Instructions for use

Your healthcare professional will ensure that your Medical Carbon Dioxide supply is suitable for your use and that the equipment has been set up correctly so that you receive the right amount of gas.

When you are given your Medical Carbon Dioxide to breathe as a mixture with other medical gases, it will be supplied via a facemask, mouthpiece or endotracheal tube (which is placed down your airways).

Special medical equipment will be used if it is being used to inflate parts of your body during keyhole surgery or gynaecological procedures.

If you have any further questions on how this product is used, ask your healthcare professional.

If you use more Medical Carbon Dioxide than you should

When Medical Carbon Dioxide is supplied at concentrations higher than 5%, it may cause extreme breathing difficulties, raised blood pressure, cause nausea and vomiting and occasionally unconsciousness. In the event of an overdose your healthcare professional will stop administration and continue appropriate care. If you have any further questions on the use of this product, ask your healthcare professional.

4. POSSIBLE SIDE EFFECTS

Like all medicines, Medical Carbon Dioxide may cause side effects, although not everyone will get them.

The side effects which may occur are:

- breathing difficulties, raised blood pressure and sickness if administered in concentrations over 5%
- dizziness if administered in concentrations above 8%
- unconsciousness if administered in concentrations above 12.5%.

Less common side effects which may occur are:

- cardiac arrest, where the heart will temporarily stop beating. This will be fatal if the cardiac arrest is not treated immediately
- heart rhythm problems, when high levels of Carbon Dioxide enter the blood during laparoscopy
- heart attacks due to gas bubbles in the bloodstream.

Reporting of side effects

If you experience any of these side effects, or if you notice any side effects not listed in this leaflet, contact your healthcare professional immediately.

You can also report side effects directly via:
 HPRA Pharmacovigilance
 Earlsfort Terrace,
 IRL - Dublin 2;
 Tel: +353 1 6764971;
 Fax: +353 1 6762517.
 Website: www.hpra.ie;
 e-mail: medsafety@hpra.ie.

By reporting side effects, you can help provide more information on the safety of this medicine.

BOC: Living Healthcare

5. HOW TO STORE MEDICAL CARBON DIOXIDE

Expiry date

Medical Carbon Dioxide should not be used after the expiry date stated on the batch label on the cylinder.

Product should be used in strict rotation so that cylinders with the earliest filling date are used first

Cylinder storage

Cylinders should be securely stored, in a well ventilated, dry and clean area, away from oils, greases, flammable materials and sources of extreme temperature.

The healthcare professional in the hospital or clinic will be responsible for making sure the cylinders are stored correctly.

DO NOT SMOKE or have a naked flame near your Carbon Dioxide gas cylinder.

NEVER use oil based moisturising creams with your cylinder equipment. If using alcohol gels allow plenty of time for the alcohol gel to dry before handling your cylinder equipment.

6. FURTHER INFORMATION

What Medical Carbon Dioxide contains:

Your Medical Carbon Dioxide cylinder contains a minimum of 99.5% (min) Carbon Dioxide. There are no other ingredients.

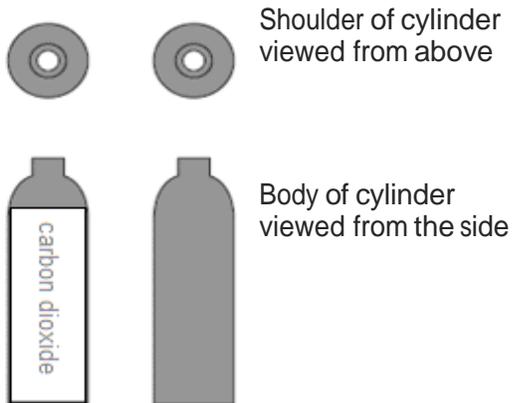
Medical Carbon Dioxide cylinders

Medical Carbon Dioxide is supplied in the following size cylinders:

Cylinder Size	Cylinder Contents (Litres)
C E	450
LF	1800
VF	3600
	3600

The colour coding of the shoulder of Medical Carbon Dioxide cylinders is grey. The body is colour coded white. For a limited period cylinders may have a grey body.

All cylinders require separate pressure regulators to be fitted to the cylinder valve before use.



Marketing Authorisation Holder and Manufacturer

BOC Gases Ireland Limited
J F Kennedy Drive
Bluebell
Dublin 12

Tel 1800 370700

healthcareinfo.ie@boc.com

This leaflet was last approved in
7/2015