

CARBAMAZEPINE PIL

1. What this product is and what it is used for

Carbamazepine, the active ingredient in **Carbatol®** tablets, can affect the body in several different ways. It is an anti-convulsant medicine (prevents fits); it can also modify some types of pain and can control mood disorders.

Carbatol® is used:

- to treat some forms of epilepsy
- to treat a painful condition of the face called trigeminal neuralgia
- to help control serious mood disorders when some other medicines don't work.

2. What you need to know before you use this product

- **Do not take Carbatol®**

Some people MUST NOT take Carbatol® Tablets. Talk to your doctor if:

- you think you may be hypersensitive (allergic) to carbamazepine or similar drugs such as oxcarbazepine, or to any of a related group of drugs known as tricyclic antidepressants (such as amitriptyline or imipramine). If you are allergic to carbamazepine there is a one in four (25%) chance that you could also have an allergic reaction to oxcarbazepine.
- you think you may be allergic to any of the other ingredients of **Carbatol®** Tablets (these are listed at the end of the leaflet). Signs of a hypersensitivity reaction include swelling of the face or mouth (angioedema), breathing problems, runny nose, skin rash, blistering or peeling.
- you have any heart problems,
- you have ever had problems with your bone marrow,

- you have a blood disorder called porphyria,
- you have taken drugs called monoamine oxidase inhibitors (MAOIs), used to treat depression, within the last 14 days.

A small number of people being treated with anti-epileptics such as carbamazepine have had thoughts of harming or killing themselves. If at any time you have these thoughts, immediately contact your doctor.

Serious skin rashes (Stevens- Johnson syndrome, toxic epidermal necrolysis) have been reported with the use of carbamazepine. Frequently, the rash can involve ulcers of the mouth, throat, nose, genitals and conjunctivitis (red and swollen eyes). These serious skin rashes are often preceded by influenza like symptoms fever, headache, body ache (flu-like symptoms). The rash may progress to widespread blistering and peeling of the skin. The highest risk for occurrence of serious skin reactions is within the first months of treatment.

These serious skin reactions can be more common in people from some Asian countries. The risk of these reactions in patients of Han Chinese or Thai origin may be predicted by testing a blood sample of these patients. Your doctor should be able to advise if a blood test is necessary before taking carbamazepine.

If you develop a rash or these skin symptoms, stop taking **Carbatol®** and contact your doctor immediately.

- **Take special care with Carbatol®**

You should also ask yourself these questions before taking **Carbatol®** tablets. If the answer to any of these questions is yes, discuss your treatment with your doctor or pharmacist because **Carbatol®** tablets might not be the right medicine for you.

- Are you pregnant or planning to become pregnant?
- Are you breastfeeding?
- Do you suffer from the sort of epilepsy where you get mixed seizures which include absences?
- Do you have any mental illness?
- Are you allergic to an epilepsy medicine called phenytoin?
- Do you have liver problems?

- Do you have kidney problems associated with low sodium blood level or do you have kidney problems and you are taking certain medicines that lower sodium blood levels (diuretics such as hydrochlorothiazide, furosemide)?
- Are you elderly?
- Do you have any eye problems such as glaucoma (increased pressure in the eye) or do you have difficulty retaining your urine?

Other special warnings

- Drinking alcohol may affect you more than usual. Discuss whether you should stop drinking with your doctor.
- Eating grapefruit, or drinking grapefruit juice, may increase your chance of experiencing side effects.
- Your doctor may want you to have a number of blood tests before you start taking **Carbatol®** and from time to time during your treatment. This is quite usual and nothing to worry about.

- **Taking other medicines, herbal or dietary supplements**

Because of the way that **Carbatol®** works, it can affect, and be affected by, lots of other things that you might be eating or medicines that you are taking. It is very important to make sure that your doctor knows all about what else you are taking, including anything that you have bought from a chemist or health food shop. It may be necessary to change the dose of some medicines, or stop taking something altogether.

Tell the doctor if you are taking:

- Hormone contraceptives, e.g. pills, patches, injections or implants. **Carbatol®** affects the way the contraceptive works in your body, and you may get breakthrough bleeding or spotting. It may also make the contraceptive less effective and there will be a risk of getting pregnant. Your doctor will be able to advise you about this, and you should think about using other contraceptives.
- Hormone Replacement Therapy (HRT). **Carbatol®** can make HRT less effective.
- Any medicines for depression or anxiety.

- Corticosteroids ('steroids'). You might be taking these for inflammatory conditions such as asthma, inflammatory bowel disease, muscle and joint pains.
- Anticoagulants to stop your blood clotting.
- Antibiotics to treat infections including skin infections and TB (e.g. ciprofloxacin).
- Antifungals to treat fungal infections.
- Painkillers containing paracetamol, dextropropoxyphene, tramadol, methadone or buprenorphine.
- Other medicines to treat epilepsy.
- Medicines for high blood pressure or heart problems.
- Antihistamines (medicines to treat allergy such as hayfever, itch, etc).
- Diuretics (water tablets).
- Cimetidine or omeprazole (medicines to treat gastric ulcers).
- Isotretinoin (a medicine for the treatment of acne).
- Metoclopramide or aprepitant (anti-sickness medications).
- Acetazolamide (a medicine to treat glaucoma - increased pressure in the eye).
- Danazol or gestrinone (treatment for endometriosis).
- Theophylline or aminophylline (used in the treatment of asthma).
- Ciclosporin, tacrolimus or sirolimus (immunosuppressants used after transplant operations, but also sometimes in the treatment of arthritis or psoriasis).
- Drugs to treat schizophrenia (e.g. paliperidone, aripiprazole).
- Cancer drugs (e.g. temsirolimus, cyclophosphamide, lapatinib).
- The anti-malarial drug, mefloquine.
- Drugs to treat HIV.
- Levothyroxine (used to treat hypothyroidism).
- Tadalafil (used to treat impotence).

- Albendazole (used to treat worms).
- Bupropion (used to help stop smoking).
- A herbal remedy called St John's Wort or Hypericum.
- Drugs or supplements containing Vitamin B (nicotinamide).

Pregnancy and breast-feeding

You must discuss your epilepsy treatment with your doctor well before you become pregnant. If you do get pregnant while you're taking **Carbatol®** Tablets you must tell the doctor straightaway. It is important that your epilepsy remains well controlled, but, as with other anti-epilepsy treatments, there is a risk of harm to the fetus. Make sure you are very clear about the risks and the benefits of taking **Carbatol®** Tablets.

Mothers taking **Carbatol®** Tablets can breastfeed their babies, but you must tell the doctor as soon as possible if you think that the baby is suffering side effects such as excessive sleepiness or skin reactions or yellow skin and eyes, dark urine or pale stools.

- **Driving and using machines**

Carbatol® Tablets can make you feel dizzy or drowsy, or may cause blurred vision, double vision, or you may have a lack of muscular coordination, especially at the start of treatment or when the dose is changed. If you are affected in this way, or if your eyesight is affected, you should not drive or operate machinery.

3. How to use this product.

The doctor will tell you how many **Carbatol®** Tablets to take and when to take them. Always follow his/her instructions carefully. The dose will be on the pharmacist's label. Check the label carefully.

It is important to take the tablets at the right times. If you are not sure, ask your doctor or pharmacist. Keep taking your tablets for as long as you have been told, unless you have any problems. In that case, check with your doctor.

Your doctor will usually start **Carbatol®** at a fairly low dose which can then be increased to suit you individually. The dose needed varies between patients. You can take **Carbatol®** Tablets during, after or between meals. Swallow the tablets

with a drink. You are usually told to take a dose two or three times a day. If necessary you may break the tablets in half along the scored line.

To treat epilepsy, the usual doses are:

Adults: 800-1,200 mg a day, although higher doses may be necessary. If you are elderly you might require a lower dose.

Children:

Aged 5-10 years: 400-600 mg a day

Aged 10-15 years: 600-1,000 mg a day.

Carbatol® Tablets are not recommended for children under 5.

To treat trigeminal neuralgia, the usual dose is:

600 - 800 mg a day. The maximum dose is 1200mg a day. If you are elderly you might require a lower dose.

To treat mood swings the usual dose is:

400 - 600 mg a day.

- **If you take more Carbatol® than you should**

If you accidentally take too many **Carbatol®** Tablets, tell your doctor or your nearest hospital casualty department. Take your medicine pack with you so that people can see what you have taken.

- **If you forget to take Carbatol®**

If you forget to take a dose, take one as soon as you remember. If it is nearly time for your next dose, though, just take the next dose and forget about the one you missed.

4. Possible side effects

Carbatol® tablets do not usually cause problems, but like all medicines, they can sometimes cause side effects.

Some side effects can be serious.

Stop taking Carbatol® Tablets and tell your doctor straight away if you notice:

- Serious skin reactions such as rash, red skin, blistering of the lips, eyes or mouth, or skin peeling accompanied by fever. These reactions may be more frequent in patients of Chinese or Thai origin
- Mouth ulcers or unexplained bruising or bleeding
- Sore throat or high temperature, or both
- Yellowing of your skin or the whites of your eyes
- Swollen ankles, feet or lower legs
- Any signs of nervous illness or confusion
- Pain in your joints and muscles, a rash across the bridge of the nose and cheeks and problems with breathing (these may be the signs of a rare reaction known as lupus erythematosus)
- Fever, skin rash, joint pain, and abnormalities in blood and liver function tests (these may be the signs of a multi-organ sensitivity disorder)
- Bronchospasm with wheezing and coughing, difficulty in breathing, feeling faint, rash, itching or facial swelling (these may be the signs of a severe allergic reaction)
- Pain in the area near the stomach.

The side effects listed below have also been reported.

More than 1 in 10 people have experienced:

Leucopenia (a reduced number of the cells which fight infection making it easier to catch infections); dizziness and tiredness; feeling unsteady or finding it difficult to control movements; feeling or being sick; changes in liver enzyme levels (usually without any symptoms); skin reactions which may be severe.

Up to 1 in 10 people have experienced:

Changes in the blood including an increased tendency to bruise or bleed; fluid retention and swelling; weight increase; low sodium in the blood which might result in confusion; headache; double or blurred vision; dry mouth.

Up to 1 in 100 people have reported:

Abnormal involuntary movements including tremor or tics; abnormal eye movements; diarrhoea; constipation.

Up to 1 in 1,000 people have reported:

Disease of the lymph glands; folic acid deficiency; a generalized allergic reaction including rash, joint pain, fever, problems with the kidneys and other organs; hallucinations; depression; loss of appetite; restlessness; aggression; agitation; confusion; speech disorders; numbness or tingling in the hands and feet; muscle weakness; high blood pressure (which may make you feel dizzy, with a flushed face, headache, fatigue and nervousness); low blood pressure (the symptoms of which are feeling faint, light headed, dizzy, confused, having blurred vision); changes to heart beat; stomach pain; liver problems including jaundice; symptoms of lupus.

Up to 1 in 10,000 people have reported:

Changes to the composition of the blood including anemia; porphyria; meningitis; swelling of the breasts and discharge of milk which may occur in both male and females; abnormal thyroid function tests; osteomalacia (which may be noticed as pain on walking and bowing of the long bones in the legs); osteoporosis; increased blood fat levels; taste disturbances; conjunctivitis; glaucoma; cataracts; hearing disorders; heart and circulatory problems including deep vein thrombosis (DVT), the symptoms of which could include tenderness, pain, swelling, warmth, skin discoloration and prominent superficial veins; lung or breathing problems; severe skin reactions including Stevens- Johnson syndrome (These reactions may be more frequent in patients of Chinese or Thai origin); sore mouth or tongue; liver failure; increased sensitivity of the skin to sunlight; alterations in skin pigmentation; acne; excessive sweating; hair loss; increased hair growth on the body and face; muscle pain or spasm; sexual difficulties which may include reduced male fertility, loss of libido or impotence; kidney failure; blood spots in the urine; increased or decreased desire to pass urine or difficulty in passing urine.

The following have also been reported, but the frequency cannot be estimated from the available information:

Severe skin reactions accompanied by feeling unwell and changes in blood results. Diarrhoea, abdominal pain, and fever (signs of inflammation of the colon), reactivation of herpes virus infection (can be serious when immune system is depressed), complete loss of nails, fracture, decrease in the measure of the bone density, drowsiness, memory loss, purple or reddish-purple bumps that may be itchy.

*Do not be alarmed by this list. Most people take **Carbatol**® Tablets without any problems.*

If any of the symptoms become troublesome, or if you notice anything else not mentioned here, please go and see your doctor. He/she may want to give you a different medicine.

There have been reports of bone disorders including osteopenia and osteoporosis (thinning of the bone) and fractures. Check with your doctor or pharmacist if you are on long-term antiepileptic medication, have a history of osteoporosis, or take steroids.

5. How to store this product

- Keep out of the reach and sight of children.
 - Store in a dry place. Do not store above 30°C.
 - Do not take **Carbatol** after the expiry date which is printed on the outside of the pack. The expiry date refers to the last day of that month.
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- Medicines should not be disposed of via wastewater or household waste. Ask your pharmacist how to dispose of medicines no longer required. These measures will help to protect the environment.

6. Further information

a. What this product contains

- **What Carbatol® contains**

Carbatol® tablets contain Carbamazepine as active ingredient. Each tablet contains 200 mg of Carbamazepine.

The other ingredients are: Microcrystalline cellulose, silica colloidal anhydrous, sodium starch glycolate, magnesium stearate, sodium laurilsulfate.

b. What this product looks like and contents of the pack

- What Carbatol® looks like and contents of the pack Carbatol ® Tablets are white to off-white round normal biconvex tablets with a groove and DAD engraving on one side, plain on the other side. Carbatol® Tablets are packed in blisters of 10. Carbatol® tablets are available in packs of 30 (3 blisters), 50 (5 blisters) , 300 (30 blisters) and 500 (50 blisters). Not all pack sizes may be marketed

c. Marketing Authorization Holder and Manufacturer

Dar Al Dawa Development & Investment CO. LTD (Na'ur – Jordan).

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To report any side effects:

- **Jordan**

- Contact marketing authorization holder

- **Saudi Arabia**

- National Pharmacovigilance and Drug Safety Centre (NPC)
- Fax: + 966 112057662
- Call NPC at + 966 112038222, Exts: 2317-2356-2353-2354-2334-2340
- Toll free phone: 8002490000
- E-mail: npc.drug@sFDA.gov.sa
- Website: www.sFDA.gov.sa/npc

- **United Arab Emirates**

- Pharmacovigilance and Medical Device Section

- Drug Department
 - UAE Ministry of Health & Prevention
 - Hotline: 80011111
 - Email: pv@moh.gov.ae
 - P.O. Box: 1853 Dubai UAE
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- **Sudan**

- National Medicines and Poisons Board (NMPB)
 - Fax: + 249 183522263
 - E-mail: info@nmpb.gov.sd
 - Website : www.nmpb.gov.sd
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- **Other countries**

- Please contact the relevant competent authority.
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**d. This leaflet was last revised in
{MM/YYYY}**

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