

## **Patient Information**

### **Carba Mix**

**Your TRUE TEST® indicates that you have a contact allergy to carba mix.**

Carba mix chemicals in contact with your skin may result in dermatitis. Brief or occasional contact may not pose a problem.

Carba mix contains the following three allergens:

- Diphenylguanidine
- Zincdibutyldithiocarbamate
- Zincdiethyldithiocarbamate

Carba mix chemicals are used as accelerators in the manufacture of rubber products and in agricultural chemicals.

#### **Where are carba mix allergens found?**

Carba mix chemicals can be found in almost all rubber articles found in a modern environment both at work and at home.

Examples of such articles are: tires and tubes for your car, shoes, shoe insoles, gloves, swimwear, underwear with rubber elastic, toys, balloons, condoms, diaphragms, erasers, dental dams, rubber sheeting, garden hoses, non-slip waistbands, mattresses, slippers, anti-slip carpet backing, lining for fuel tanks, caulking, electrical cords, plugs, gas masks, safety goggles, conveyor belts, shock absorbers, springs, mats, aprons, earphones, stethoscopes, rubber bands and many other objects.

Carba mix chemicals can as well be found in some soaps, shampoos, disinfectants and adhesives as well as in anti-rust products.

Carba mix chemicals are found in many agricultural products, including pesticides, herbicides, fungicides and slimicides.

## **How to avoid carba mix allergens**

Minimize your exposure to all rubber products. Be suspicious of any product containing rubber that seems to cause a rash where it touches your body.

Use rubber-free substitutes made of vinyl, plastic, leather, wood or fabric.

Avoid rubber insoles, rubber boots and rubber shoes such as sneakers and tennis shoes. Wear solid leather shoes with no inner or outer soles, like moccasins. If in doubt wear new shoes for a few days and watch for a rash. Try insoles free of carba mix chemicals to see if using insoles makes dress shoes wearable for you.

Beware of socks and stockings worn with shoes containing carba mix chemicals, as carba mix chemicals can contaminate them and does not wash out.

Some surgical gloves are labeled "hypoallergenic and rubber free" and are made of synthetic materials free of latex and all rubber accelerators. Examples are gloves made of a synthetic co-polymer of styrene and butadiene, vinyl gloves or nitrile gloves. Articles made with polyvinyl chloride, polyvinyl acetate or silicone are also suitable alternatives.

Avoid contact with agricultural chemicals.

If you suspect that you are being exposed to this allergen at work, consult your employer regarding Material Safety Data Sheets. Wear protective clothing such as aprons, gauntlets and appropriate gloves when handling rubber hoses, seals, cables etc.

Inform your healthcare providers that you are allergic to carba mix chemicals.

## What to look for

### Carba mix content:

- Diphenylguanidine
- 1,3-Diphenylguanidine
- Zincdibutyldithiocarbamate
- Zinc dibutyldithiocarbamate (INCI Name)
- Zincdiethyldithiocarbamate

### Common trade names

- Carbamate
- Carbanilate

### *1,3-Diphenylguanidine*

- DPG™
- Sanceler™ D
- Nocceler™ D
- Soxinol® D

### *Zinc dibutyldithiocarbamate*

- ZBC™
- Butazin™
- Butyl zimate
- Nocceler™ BZ
- Soxinol® BZ
- Butazate®
- Butasan®

### *Zinc diethyldithiocarbamate*

- ZDC™
- ZDEC™
- Etazin™
- Ethasan™
- Nocceler™ EZ
- Soxinol® EZ
- Ethazate®
- Ethyl zimate

***Related substances to which you may react***

- Thiurams
- Disulfiram (Antabuse®)

*The lists may not be complete.*

When purchasing products which may come in contact with your skin, check the list of ingredients for any of the names listed above. If in doubt contact your pharmacist or physician.

*This information does not substitute the information given by your health care providers and can only be seen as a supplement.*